

12-29-2003



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To the Honorable Commissioner of Patents and Trademarks. *102633432* ied original documents or copy thereof.

22390 U.S. PTO
10/739476



121703

1 Name of conveying party(ies):

CARLOS H. DIAZ
YI-MING SHEU
SYUN-MING JANG
HUN-JAN TAO
FU-LIANG YANG

12.17.03

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.

3 Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other:
Execution Date: October 8, 2003

Additional name(s) & address(es) attached Yes No

4 Application number(s) or patent number(s): *10739476*

If this document is being filed together with a new application, the execution date of the application is: October 8, 2003

A. Patent Application No(s).

B. Patent No(s)

Additional numbers attached? Yes 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:
1

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

Enclosed
 Authorized to charge credit card (w/filing fee)

8 Deposit Account Number: 50-0484
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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.

Randy W. Tung
Name of Person Signing
Registration No. 31,311


Signature

12-17-03
Date

Total number of pages including cover sheet, attachments, and document : 3

67,200-991

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

12/23/2003 KBETENR1 00000010 10739476

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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.


CARLOS H. DIAZ Oct-8-2003


YI-MING SHEU Oct-8-2003


SYUN-MING JANG 10/8/2003


HUN-JAN TAO 10/8/2003


FU-LIANG YANG Oct-8-2003

TUNG & ASSOCIATES
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