



To the Honorable Commissioner of Pa

102005083

ached original documents or copy thereof.

1 Name of conveying party(ies):

Su-Yu Yeh
Chi-Bing Chen
Cheng-Yi Huang
Chao-Jie Tsai
Lu-Chang Chen
Hsing-Jui Lee

02/22/02

2 Name and address of receiving party(ies):

Taiwan Semiconductor Manufacturing Co. Ltd.
No. 121 Park Avenue 3
Science-Based Industrial Park
Hsin-Chu, Taiwan, R.O.C.

3 Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Date: December 11, 2001

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: 12-11-01

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:

(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.

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

Signature

February 22, 2002

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we, SU-YU YEH, CHI-BING CHEN, CHENG-YI HUANG, CHAO-JIE
TSAI, LU-CHANG CHEN and HSING-JUI LEE, have invented certain improvements in
METHOD REDUCING THE EFFECTS OF N₂ GAS CONTAMINATION
IN AN ION IMPLANTER

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

WHEREAS, TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. of
No. 121, Park Avenue 3, 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, SU-YU YEH, CHI-BING
CHEN, CHENG-YI HUANG, CHAO-JIE TSAI, LU-CHANG CHEN and HSING-JUI LEE, 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 11th, 12th, 13th day
of December, 2001, 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 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.

✓ Su-Yu Yeh
SU-YU YEH

✓ Chi-Bing Chen
CHI-BING CHEN

✓ Cheng-Yi Huang
CHENG-YI HUANG

✓ Chao-Jie Tsai
CHAO-JIE TSAI

✓ Lu-Chang Chen
LU-CHANG CHEN

✓ Hsing-Jui Lee
HSING-JUI LEE

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