

11-14-2003

PTO-1595

RECC

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

11.503

102600662

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1 Name of conveying party(ies):

Dun-Nian Yaung
Shou-Gwo Wuu
Ho-Ching Chien
Yi-Shing Chang

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.22241 U.S. PTO
10/701670

3 Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:Execution Date: Sept 25, 2003Additional name(s) & address(es) attached ☐ Yes ☒ No

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

10701670

If this document is being filed together with a new application, the execution date of the application is: 09-25-03

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

(Attach duplicate copy of this page if paying by deposit account)

11/07/2003 WABRHAM1 00000037 10701670

02 FC:0021

40.00 OP

DO NOT USE THIS SPACE

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

Oct. 29, 2003

Date

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

67,200-1028

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450PATENT
REEL: 014685 FRAME: 0375

ASSIGNMENT

WHEREAS, we, DUN-NIAN YAUNG, SHOU-GWO WUU, HO-CHING CHIEN
and YI-SHING CHANG, have invented certain improvements in

SENSOR ELEMENT HAVING ELEVATED DIODE

WITH SIDEWALL PASSIVATED BOTTOM ELECTRODE

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, DUN-NIAN YAUNG,
SHOU-GWO WUU, HO-CHING CHIEN and YI-SHING CHANG, 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 25 day of
Sept, 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

67,200-1028
2002-0813

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.

Dun-Nian Yaung
DUN-NIAN YAUNG

Shou-Gwo Wu
SHOU-GWO WUU

Ho-Ching Chien
HO-CHING CHIEN

YI-SHING Chang
YI-SHING CHANG

TUNG & ASSOCIATES
838 W. Long Lake Road
Suite 120
Bloomfield Hills, Michigan 48302