

PTO-1595

8-28-98

09-14-1998

COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

-Y

To the Honorable Commissioner



100828299

The attached original documents or copy thereof.

1. Name of conveying party(ies):

HUA-CHENG HSU

Additional names(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:Execution Date: July 1, 1998

2. Name and address of receiving party(ies):

Taiwan Semiconductor Manufacturing
Company, Ltd.

No. 121 Park Avenue 3

Science-Based Industrial Park

Hsin-Chu, Taiwan, R.O.C.

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: 07-01-98

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:

7. Total fee (37 CFR 3.41) **\$40.00**☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit Account Number: **50-0484**

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

09/08/1998 DFLOYD 00000012 09141891

03 FC:581

40.00 DP

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. TungName of Person Signing
Registration No. 31,311

Signature

08-28-98

Date

Total number of pages including cover sheet, attachments, and document: 3Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 9435 FRAME: 0168

ASSIGNMENT

WHEREAS, I, HUA-CHING HSU, have invented certain improvements in APPARATUS AND METHOD FOR DETECTING FLAMMABLE GAS IN A GAS MIXTURE, for which I am 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, I HUA-CHING HSU 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 me on the 1th day of July, 1998, 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.

I 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 I 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.

Hua - Ching Hsu

HUA-CHING HSU

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