

01-15-2003

PTO-1595



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102338228

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

1 Name of conveying party(ies):

Hsi-Kuei Cheng  
Chun-Tse Lin  
Ting-Chun Wang  
Yu-Ku Lin  
Ying-Lang Wang

1-8-03

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: November 4, 2002

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: 11-04-02

A. Patent Application No(s).

10,339691

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)

01/13/2003 WABRHAM1 00000013 10339691

02 PD:8021 40.00 DP

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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

January 8, 2003  
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

30976 U.S. PTO  
10/339691  
01/08/03

ASSIGNMENT

WHEREAS, we, HSI-KUEI CHENG, CHUN-TSE LIN, TING-CHUN WANG, YU-KU LIN and YING-LANG WANG, have invented certain improvements in  
CATCH-PIN WAFER SUPPORT FOR PROCESS CHAMBER  
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, HSI-KUEI CHENG,  
CHUN-TSE LIN, TING-CHUN WANG, YU-KU LIN and YING-LANG WANG, 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 4 day of  
Nov., 2002, 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.

Hsi-kuei Cheng  
HSI-KUEI CHENG

Chun-Tse Lin  
CHUN-TSE LIN

Ting-Chun Wang  
TING-CHUN WANG

Yu-Ku Lin  
YU-KU LIN

Ying-Lang Wang  
YING-LANG WANG

**TUNG & ASSOCIATES**  
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