

07-24-2002



To the Honorable Commissioner of Pa.

102166608

ached original documents or copy thereof.

## 1 Name of conveying party(ies):

Liang  
Yu-Liang Lin  
Henry Lo  
Ping Chuang

07/11/02

## 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.

J1033 U.S. PTO  
10/194894  
07/11/02

## 3 Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

☐ Other:

Execution Date: April 16, 2002

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

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

10/194894

If this document is being filed together with a new application, the execution date of the application is: 04-16-02

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)

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

July 11, 2002  
Date

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

Mail documents to be recorded with required cover sheet information to:

07/19/2002 WABDELRI 00000009 10194894 Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

02 FC:581

40.00 OP

PATENT  
REEL: 013107 FRAME: 0706

**ASSIGNMENT**

WHEREAS, we, YU-LIANG LIN, HENRY LO and PING CHUANG, have invented  
certain improvements in

POLISHING PAD CONDITIONING DISKS  
FOR CHEMICAL MECHANICAL POLISHER

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

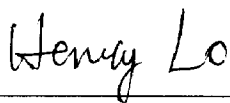
WHEREAS, TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. of  
No. 121, Park Avenue 3, Science-Based Industrial Park, Hsin-Chu, Taiwan, R.O.C, is desirous of  
acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and  
valuable consideration, the receipt of which is hereby acknowledged, we, YU-LIANG LIN, HENRY  
LO and PING CHUANG, 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 16<sup>th</sup> day of April, 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.

  
YU-LIANG LIN

  
HENRY LO

  
PING CHUANG

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