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

1 Name of conveying party(ies): 1.16.01

Lian-Jong Li Tien-I Bao
 Cheng Chung Lin
 Syun-Ming Jang

3 Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other:
 Execution Date: August 1, 2000

2 Name and address of receiving party(ies):

Taiwan Semiconductor Manufacturing Co. Ltd
 No. 121 Park Avenue III
 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: 08-01-00

A. Patent Application No(s). B. Patent No(s)

09761477

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 be charged to deposit account

8 Deposit Account Number: 50-0484

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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 January 16, 2001
 Name of Person Signing Date
 Registration No. 31,311 Signature

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

Mail documents to be recorded with required cover sheet information to:
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67,200-316

PATENT
 REEL: 011479 FRAME: 0120



01/16/01

ASSIGNMENT

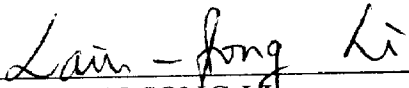
WHEREAS, we, LAIN-JONG LI, TIEN-I BAO, CHENG CHUNG LIN and SYUN-MING JANG have invented certain improvements in SOFT PLASMA OXIDIZING PLASMA METHOD FOR FORMING ADHERENT CARBON DOPED SILICON CONTAINING DIELECTRIC LAYER for which we are about to make application for Letters Patent of the United States; 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;

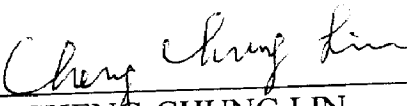
NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, LAIN-JONG LI, TIEN-I BAO, CHENG CHUNG LIN and SYUN-MING JANG, by these presents, do hereby sell, assign and transfer unto the said corporation and its assigns, 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 1st day of August, 2000, 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.


LAIN-JONG LI


TIEN-I BAO


CHENG-CHUNG LIN


SYUN-MING JANG

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