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To the Honorable Commissi		ase record the attached original documents or copy thereof.
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 3 Nature of conveyance: ■ Assignment □ Security Agreement 	 Merger Change of Name 	Additional name(s) & address(es) attached □ Yes ∞ No G
Other: Execution Date: Octobe	er 1, 1999	ž
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: <u>10-01-99</u>
A. Patent Application No	D(S).	B. Patent No(s)
C9 44988	4	
5 Name and address of pa concerning document sh RANDY W. TUNG	Additional numbers attained at	ached? □ Yes ⊠ No 6 Total number of applications and patents involved: <u>1</u> 7 Total fee (37 CFR 3.41) \$40.00
 5 Name and address of pa concerning document sh RANDY W. TUNG Tung & Associates 838 W. Long Lake Road 	Additional numbers attained to whom correspondence nould be mailed:	 6 Total number of applications and patents involved: <u>1</u> 7 Total fee (37 CFR 3.41) \$40.00
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5 Name and address of pa concerning document sh RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120	Additional numbers attained to whom correspondence nould be mailed:	 6 Total number of applications and patents involved: <u>1</u> 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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Washington, D.C. 20231

PATENT REEL: 010424 FRAME: 0783

ASSIGNMENT

WHEREAS, we, <u>KUN-PI CHENG AND I-CHUNG CHANG</u>, have invented certain improvements in METHOD AND APPARATUS FOR INSPECTING THE SURFACE OF A SEMICONDUCTOR DEVICE 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;

PATENT REEL: 010424 FRAME: 0784

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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.

KUN-PICHENG

I-Chung Charge If Chang

I-CHUNG CHANG

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