9	Statement	and	signa	ture.
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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

5/5/04

Date

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

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

5/10/2004 EHAILE1 00000024 10840049

67,200-763

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PATENT REEL: 015307 FRAME: 0648

## **ASSIGNMENT**

WHEREAS, we, <u>BOQ-KANG HWU, CHUNG-SHI LIU and CHEN-HUA YU,</u> have invented certain improvements in

METHOD FOR PREVENTING CU CONTAMINATION AND OXIDATION
IN SEMICONDUCTOR DEVICE MANUFACTURING

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, <u>BOQ-KANG HWU</u>, <u>CHUNG-SHI LIU and CHEN-HUA YU</u>, 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 <u>15<sup>th</sup></u> day of <u>March</u>, 2004 and the <u>2<sup>nd</sup></u>, day of <u>May</u>, 2004, 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

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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.

Bog-Kany Hur Chungshi, Liu **BOQ-KANG HWU** 

CHEN-HUA YU

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

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RECORDED: 05/05/2004

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