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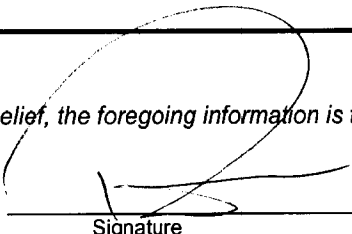
To the Honorable Commissioner of Patents

102688295

... and unnumbered original documents or copy thereof.

17510 U.S. PTO
10789300

022604

<p>1 Name of conveying party(ies):</p> <p>JINN-YEH CHIEN</p>	<p>2 Name and address of receiving party(ies):</p> <p>Taiwan Semiconductor Manufacturing Co. Ltd. No. 8. Li-Hsin Rd. 6 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C.</p>				
<p>3 Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other:</p> <p>Execution Date: <u>November 24, 2003</u></p>	<p>Additional name(s) & address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				
<p>4 Application number(s) or patent number(s): <u>10789300</u></p> <p>If this document is being filed together with a new application, the execution date of the application is: <u>11/24/2003</u></p> <table border="1"> <tr> <td data-bbox="138 798 836 934">A. Patent Application No(s).</td> <td data-bbox="836 798 1518 934">B. Patent No(s)</td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		A. Patent Application No(s).	B. Patent No(s)		
A. Patent Application No(s).	B. Patent No(s)				
<p>5 Name and address of party to whom correspondence concerning document should be mailed:</p> <p>RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan 48302</p>	<p>6 Total number of applications and patents involved: <u>1</u></p> <p>7 Total fee (37 CFR 3.41) \$40.00</p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge credit card (w/filing fee)</p> <p>8 Deposit Account Number: (Attach duplicate copy of this page if paying by deposit account)</p>				
<p>DO NOT USE THIS SPACE</p>					
<p>9 Statement and signature.</p> <p><i>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.</i></p> <p><u>Randy W. Tung</u>  <u>Feb. 26/04</u></p> <p>Name of Person Signing Signature Date</p> <p>Registration No. 31,311</p>					

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

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

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ASSIGNMENT

WHEREAS, I, JINN-YEH CHIEN, have invented certain improvements in
ON-CHIP TEST APPARATUS

for which I am 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, I, JINN-YEH CHIEN, 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 me on the 24 day of
November, 2003, 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.

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I 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 I 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.

Jinn-Yeh Chien

JINN-YEH CHIEN

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