РТŮ-1595	F 10171286	
To the Honorable Commissioner	of Patents and Trademarks: Plea	ase record the attached original documents or copy thereof.
Name of conveying party(ies):		2 Name and address of receiving party(ies):
I-Ting Ho I-Chieh Chung Chuen-He Liou		Taiwan Semiconductor Manufacturing Co. Ltd. No. 121 Park Avenue 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C.
-	Merger Change of Name	Additional name(s) & address(es) attached $\square$ Yes $\boxtimes$ No $g$
Application number(s) or pate	nt number(s):	
If this document is being filed	together with a new application, t	the execution date of the application is: <u>04-10-01</u>
A. Patent Application No(s).	Additional numbers attac	B. Patent No(s) ached? □ Yes ⊠ No
Name and address of party to concerning document should		6 Total number of applications and patents involved: <u>1</u>
RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan		<ul> <li>7 Total fee (37 CFR 3.41)</li> <li>\$40.00</li> <li>         ■ Enclosed         □ Authorized to be charged to deposit account     </li> <li>8 Deposit Account Number: 50-0484</li> </ul>
		(Attach duplicate copy of this page if paying by deposit
	DO NOT USE T	account)
<ul> <li>Statement and signature.</li> </ul>	and belief, the foregoing informat	account)

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## **ASSIGNMENT**

WHEREAS, we, <u>I-TING HO, I-CHIEH CHUNG and CHUEN-HE LIOU</u> have invented certain improvements in BACKUP CONTROL SYSTEM (BCS) FOR OPTIMIZING UTILIZATION OF MULTIPLE FABRICATION FACILITIES 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>I-TING HO, I-CHIEH</u> <u>CHUNG and CHUEN-HE LIOU</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  $\underline{10^{+h}}$  day of  $\underline{10^{-p}}$ , 2001, 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

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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.

I-Ting), to I-TING HO

I-Chieh Chung

CHUER-HE LIOU

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

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**RECORDED: 05/02/2001**