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SHEET U.S. DEPARTMENT OF COMMERC Patent and Trademark Offic

MCD 6-2-98		
Tot	he Honorable Commissioner of Paterns10073609	attached original documents or copy thereof.
1.	Name of conveying party(ies): J::A-RONG CHEN Additional names(s) of conveying party(ies) attached? □ Yes氣 No	2. Name and address of receiving party(ies): TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD. No. 121 Park Avenue 3 Science-Based Industrial Park
3.	Nature of conveyance: Merger Security Agreement Change of Name Other:	Hsin-Chu, Taiwan R.O.C. Additional name(s) & address(es) attached? □ Yes & No
	Execution Date: April 8, 1998	, ,
4.	Application number(s) or patent number(s): If this document is being filed together with a new application A. Patent Application No(s). Additional numbers att	B. Patent No(s)
5.	Name and address of party to whom correspondence concerning document should be mailed:	1
	RANDY W. TUNG Tung & Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan 48302	7. Total fee (37 CFR 3.41) \$40.00 苍 Enclosed □ Authorized to be charged to deposit account 8 Deposit Account Number: 50-0484
/10/1	998 MPEOPLES 00000021 09089150	(Attach duplicate copy of this page if paying by deposit account)
FC:581 DO NOT USE THIS SPACE		
9.	Randy W. Tung Name of Person Signing Registration No. 31,311 Signature	nation is true and correct and any attached copy is a true copy of

ASSIGNMENT

WHEREAS, I, JIA-RONG, CHEN have invented certain improvements in VERTICAL

CASSETTE ELEVATOR AND LOAD LOCK VIEWER 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, JIA-RONG CHEW 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 _____ day of

1998, 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

and reexamination 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.

PATENT REEL: 9223 FRAME: 0589 67,200-109 TSMC 1-97-267

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 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.

JIA-RONG CHEN

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

> PATENT REEL: 9223 FRAME: 0590