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(Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)				U.S. Patent and Tradema	rk Office	
To the Honorable Commissioner ι	10255390	8	ned origina	I documents or copy thereof.	P.T.	
Name of conveying part(ies):	01103	1	address	of receiving party(ies)	s.	
(1) Ching-Shan LU	954.01		iwan Sen Co., Ltd.	niconductor Manufacturing	10/6547	
Additional name(s) of conveying party(ies) attached? ☐Yes ☒No				No O IVIII DA O	223	
Nature of conveyance:		Street Add	ress:	No. 8, Li-Hsin Rd. 6, Science-Based Industrial Hsin-Chu, Taiwan 300-77		
□ Assignment    □ Merger     □ Security Agreement    □ Change of Name     □ Other:		R.O.C.  Additional name(s) & address(es) attached?  Yes  No				
Execution Date: September 3, 2003						
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: September 3, 2003						
A. Patent application No.(s)			B. F	Patent No.(s)		
(						
5. Name and address of party to whom correspondence  6. Total number of applications/patents involved: [1]					[1]	
concerning document should be mailed:		o. Total number of applications/paterns involved. [1]				
		7. Total fee (3	37 CFR 3	.41) \$ 40.00		
Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750		☐ Enclosed ☐ Authorization to charge credit card (attached)				
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PATENT REEL: 014487 FRAME: 0537

## ASSIGNMENT

WHEREAS, <u>Ching-Shan LU</u> hereaf has/have invented certain new and useful improvements below identified application for United States Letters Pa	as described and set forth in the				
Title: SYSTEM AND METHOD FOR EQUIPMENT MALFUNCT Filed: Serial No Executed on: September 3, 2003					
WHEREAS, <u>Taiwan Semiconductor Manno, 8. Li-Hsin Rd. 6. Science-Based Taiwan 300-77. R.O.C.</u> hereinafter referred acquiring ASSIGNOR'S interest in the said invention at Patent which may be granted on the same:	Industrial Fark Hsin-Chu, to as ASSIGNEE, is desirous of				
NOW, THEREFORE, TO ALL WHOM IT MAY good and valuable consideration, receipt of which is Assignor has/have sold, assigned and transferred, and by transfer unto the said Assignee, and Assignee's successed title and interest in and to the said invention and app thereon, and in and to any Letters Patent which may be United States, the said interest to be held and enjoyed by as it would have been held and enjoyed by said Assignor been made, to the full end and term of any Letters Paten any division, renewal, continuation in whole or in prolongation or extension thereof.	hereby acknowledged by Assignor, these presents does/do sell, assign and ors and assigns, all his/her/their rights, dication and all future improvements creafter be granted on the same in the said Assignce as fully and exclusively in had this Assignment and transfer not at which may be granted thereon, or of				
Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.					
IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.					
Ching-Shan Lu	2003/9/3				
Ching-Shan LU	Date:				
0503-8258US/TSMC2001-1435	Page 1 of 1				

RECORDED: 09/04/2003

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