FORM PTO~1595 Office 10-25-20	SHEET U.S. DEPT. OF COMMERCE Patent and Trademark
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TS01-1701	36
To the Honorable Commissioner of Patr	e record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
JHON-JHY LIAW 10 16 02	Name and address of receiving party(ies): Name: Taiwan Semiconductor Manufacturing Company
Additional name(s) or conveying party(ies) attached? Yes X	Internal Address: Street Address:
	-
3. Nature of conveyance X Assignment Merger	121 Park Ave. 3 Science-Based Industrial Park City: Hsin-Chu Zip: Country: Taiwan, R.O.C.
Security Agreement Change of Name	
other	
Execution Date: <u>8/30/02</u>	Additional name(s) & address(es) attached? Yes X
4. Application number(s) or patent number(s):	
A. Patent Application No(s)	on, the execution date of the application is: 8/30/02 B. Patent No.(s)
A. Patent Application No(s) 10272081	B. Patent No.(s)
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ASSIGNMENT OF INVENTION			
In consideration of the payment by ASSIGNE receipt of which is hereby acknowledged, and	E to ASSIGNOR of the sum of One Dollar (\$1.00), the for other good and valuable consideration,		
ASSIGNOR:			
JHON-JHY LIAW Type or print name of ASSIGNOR JJF, No 38-21, KUO Haw and Senderss HS IN - CHU, Tarwan Republic of China Yauran Nationality ASSIGNEE: Taiwan Semiconductor Manufacturing College Ltd. 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C. Nationality			
and the successors, assigns and legal repres			
	one of the following)		
	interest for the United States and its territorial possessions in rights are also to be assigned)		
in and to any and all improvements which are	disclosed in the invention entitled:		

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and which is found in		
(a) x U.S. patent application executed on even date	te herewith	
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	filed on	
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(also check (e) if foreig	n application(s) is also being assigned)	
(e) x and any legal equivalent thereof in a foreign x	country, including the right to clam priority	
and, in and to, all Letters Patent to be obtained for continuation, division, renewal, or substitute, thereof, and thereof.	•	
ASSIGNOR hereby covenants that no assignment, be made or entered into which would conflict with this a		
ASSIGNOR further covenants that ASSIGNEE wipertinent facts and documents relating to said invention may be known and accessible to ASSIGNOR and will to or proceeding related thereto and will promptly execute an any and all papers, instruments or affidavits required to a application, said invention and said Letters Patent and or desirable to carry out the purposes thereof. IN WITNESS WHEREOF, I / We have signed this	and said Letters Patent and legal equivalents as estify as to the same in any interference, litigation and deliver to ASSIGNEE or its legal representatives apply for, obtain, maintain, issue and enforce said said equivalents thereof which may be necessary	
August - 30 2002 (Date of signing) WARNING Date of signing must be the same as the date of execution of the application if item (a) was checked above.		
WARNING Date of signing must be the same as the date of execu	Then - Thy Leaves	
If ASSIGNOR is a legal entity complete the following information		
	Type or print the name of the above person authorized to sign on behalf of ASSIGNOR	
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261). Use next page if notarization is desired.

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