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February 1<sup>1</sup>/<sub>2</sub>, 1999

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	By X Inventor(s) or Present Owner	
ASSIGNMENT OF INVENTION		
In consideration of the payment by ASSIGNEE receipt of which is hereby acknowledged, and	to ASSIGNOR of the sum of One Dollar (\$1.00), the for other good and valuable consideration,	
ASSIGNOR:  Shwangming Jeng Type or print hame of ASSIGNOR  AF, 10, St Alley, Chen-Hsih Rd.  Address  Hsin-Chiu, Taiwan, R.O.C.  Republic of China  Nationality  ASSIGNEE:  Taiwan Semiconductor Manufacturing Co. 121 Park Ave. 3  Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C.  Taiwan, R.O.C.	Type or print name of ASSIGNOR  No), Lane 40. Alley iv&  Address  Guang-Fu Road, Hehn-Chu. Talwan, R.D.C.  Republic of China  Nationality  Ltd.	
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x the entire right, title and interest an undivided percent (%)	interest for the United States and its territorial possessions in rights are also to be assigned)	
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in and to any and all improvements which are disclosed in the invention entitled:

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PATENT REEL: 9785 FRAME: 0117

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(a) x U.S. patent application executed on ever	en date herewith	
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(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.		
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	Type or print the name of the above person authorized to sign on behalf of ASSIGNOR	

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Title

\_\_Notarization of Legalization Page Added.

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