	FORM COVER SHEET U.S. DEPT. OF COMMERCE Patent and Trademark
Office 08 - 02	-2001
ГS00-123	NIII (AAN AAN AHAI AH AAN
To tl's Honorable Commissioner of Pater 1. Name of conveying party(ies): 10179	iginal documents or copy thereof.
1. Wante of conveying party(ics).	
STEVEN CHEN, CLIFF HOU	Name: Taiwan Semiconductor Manufacturing
7-16-01	Company
	Lucione 1 Address
Additional name(s) or conveying party(ies) attached?	Internal Address:
Additional frame(s) of conveying party(les) attaches?	Street Address:
3. Nature of conveyance	121 Park Ave. 3
x Assignment Merger	Science-Based Industrial Park
A 1 1 Solgiment	City: Hsin-Chu Zip:
Security Agreement Change of Name	Country: Taiwan, R.O.C.
other	
Execution Date: <u>5/31/01</u>	Additional name(s) & address(es) attached? Yes X No
Additional numbers attaction of party to whom correspondence	ched? Yes X No 6. Total no. of applications and patents involved:: 1
concerning document should be mailed:	
Name: GEORGE O. SAILE	7. Total fee (37 CFR 3.41): \$ 40.00
Internal Address:	
	Enclosed
	la la demonitary
SO MOINTOCH DRIVE	A standard to be charged to deposit acct.
Street Address: 20 MCINIOSH DRIVE	Authorized to be charged to deposit acct.
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City: POUGHKEEPSIE State: NY ZIP: 12603	8 .Deposit account number: 19-0033 (Attach duplicate copy of this page if paying by deposit account)
City: POUGHKEEPSIE State: NY ZIP: 12603 DO NOT USE	8 .Deposit account number:19-0033 (Attach duplicate copy of this page if paying by deposit account) E THIS SPACE
9. Statement and signature. To the best of my knowledge and belief the foregoing into of the original document	8 .Deposit account number:
9. Statement and signature. To the best of my knowledge and belief the foregoing inf	8 .Deposit account number:19-0033 (Attach duplicate copy of this page if paying by deposit account) E THIS SPACE Formation is true and correct and any attached copy is a true copy
9. Statement and signature. To the best of my knowledge and belief the foregoing into of the original document GEORGE O. SAILE Name of Person Signing	8 .Deposit account number:19-0033 (Attach duplicate copy of this page if paying by deposit account) E THIS SPACE Formation is true and correct and any attached copy is a true copy
9. Statement and signature. To the best of my knowledge and belief the foregoing info of the original document GEORGE O. SAILE Name of Person Signing	8 .Deposit account number:

REEL: 012021 FRAME: 0929

For X U.S. and/or X Foreign Rights				
For X Application or U.S. Patent				
By X Inventor(s) or Present Owner				
ASSIGNMENT OF INVENTION				
In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,				
ASSIGNOR:				
Type or print name of ASSIGNOR 2 Park Ave. 3, Science Based Address Todastral Park Usin Chu, Tanvan Republic of China Nationality Nationality ASSIGNEE: Taiwan Semiconductor Manufacturing Co. Ltd. 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Tai	e N Ro			
Nationality and the successors, assigns and legal representatives of the ASSIGNEE (complete one of the following)				
·				
the entire right, title and interest an undivided percent (%) interest for the United States and its territorial possessions (check the following box/f foreign rights are also to be assigned)				
x and in all foreign countries				
in and to any and all improvements which are disclosed in the invention entitled:				
An Automatic Resistance And Capacitance Technology File Generator For Multiple Rc Extractors				
All Automotive				

PATENT REEL: 012021 FRAME: 0930

and whice	ch is found in	
(a) x	U.S. patent application executed on even dat	e herewith
(b)	U.S. patent application executed on	
(c)	U.S. application serial no.	filed on
(d)	U.S. patent no.	issued
	¬	n application(s) is also being assigned)
(e)	and any legal equivalent thereof in a foreign of	country, including the right to clam priority
		said invention by the above application or any as to letters patent any re-issue or re-examination
	SIGNOR hereby covenants that no assignment, e or entered into which would conflict with this as	sale, agreement or encumbrance has been or will ssignment.
pertinent may be or proce any and applicat	t facts and documents relating to said invention known and accessible to ASSIGNOR and will to eding related thereto and will promptly execute ar all papers, instruments or affidavits required to a	II, upon its request, be provided promptly with all 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
IN WIT	NESS WHEREOF, I / We have signed this	incing)
VA/A DAII	NG Date of signing must be the same as the date of execu	signing) ution of the application if item (a) was checked above.
WALINI	Date of signing must be the same as as	
		Signature of ASSIGNOR(S)
		V
If ASSI	GNOR is a legal entity complete the following inform	nation
		Type or print the name of the above person authorized to sign on
		Type or print the name of the above person additionable to behalf of ASSIGNOR
		Contain of These
	منتجا الروا	Title mment is notarized or legalized then it will only be prima facie evidence (35 USC)
	Note: No witnessing, notarization or legalization is necessary, if the assign	
	261). Use next page if notarization is desired.	Notarization of Legalization Page Added.

PATENT
RECORDED: 07/16/2001 REEL: 012021 FRAME: 0931