FORM PTO~1595	10-07-19	998	3HEET	U.S. DEPT. OF C	COMMERCE	ce
			Y			
TS97-446	10084546					
To the Honorable Commissioner of Pate	1000101			ents or copy there		-
1. Name of conveying party(ies):		2. Name and add	iress of rece	eiving party(ies)		
jhon-jhy liaw, dun-nian yaung d jin-yuan lee 9.28.		Name: <u>Taiwa</u> <u>Company</u> Internal Addre		ductor Manuf	_	406
Additional name(s) or conveying party(ies) attached?	Yes X No	Street Addres	s.			JC541 U.S. 3
TO NEW IPE AS AS NI IN INC.						D CO
3. Nature of conveyance		121 Park Av Science-Base		al Park		"
X Assignment Merger		City: Hsin-C		Zip:		
	NT	Country: Ta				
Security Agreement Change of	Name					
other						
7,0400				_		
Execution Date: 7/9/98		Additional name	e(s) & address	s(es) attached?	Yes X N	10
4. Application number(s) or patent number(s).					
If this document is being filed together with	th a new application	, the execution da	te of the app	olication is: 7/9/	<u>98</u>	
A. Patent Application No(s)	1	<u>B. P</u>	atent No.(s)			
Addition	nal numbers attached		1614 No	406	,	
			1		1 1 1	
 Name and address of party to whom corr concerning document should be mailed: Name: GEORGE O. SAILE 	respondence	6. Total no. of ap	ppiications a	ind patents invo	ivea∷ <u>I</u>	
Internal Address:		7. Total fee (37	CFR 3.41):	\$ 40.00		
		Enclose	d			
Street Address: 20 MCINTOSH DRIV	<u> </u>	X Author	ized to be cl	harged to depos	sit acct.	
City: POUGHKEEPSIE State: NY Z	IP: <u>12603</u>	8 .Deposit accordance (Attach duplicate of			eposit account)
1998 JSHABAZZ 0000009 190033 0916140	DO NOT USE TH	HIS SPACE				
581 40.00 CH						
9. Statement and signature. To the best of my knowledge and belief the of the original document CERTIFICATION. B. A. CACERDAGAN.	e foregoing informa	tion is true and co	orrect and a	ny attached cop	oy is a true co	рру
STEPHEN B. ACKERMAN Name of Person Signing		Signature		Date	0	
		Total number of	pages com	prising cover st	neet: 3	

PATENT REEL: 9487 FRAME: 0666

	For X Application or U.S. Patent
	By X Inventor(s) or Present Owner
ASSIGNMENT	Γ 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 d for other good and valuable consideration,
ASSIGNOR: JHON-JHY LIAW Type or print name of ASSIGNOR No-11 Charg Long 57. Address Sang Charg, Tarper, Tarwan Republic of China. Nationality DUN-NIAN YALING Type or print name of ASSIGNOR 47, No 15, Lane 130, Wan-Jan Address Steel, Jaijer, Tarwan Nationality ASSIGNEE: Taiwan Semiconductor Manufacturing Co 121 Park Ave. 3 Science-Based Industrial Park Hsin-Chu, Taiwan, R.O.C. Taiwan, R.O.C. Nationality	Type or print name of ASSIGNOR Nall, Lane 4, An-Ho Street. Address HSin-Chu, Taiwan Republic of China Nationality D. Ltd.
and the successors, assigns and legal repres	sentatives of the ASSIGNEE
<u> </u>	one of the following)
	interest for the United States and its territorial possessions gn rights are also to be assigned)
in and to any and all improvements which are	e disclosed in the invention entitled:
Using An Extra Boron Implant To Improve	The NMOS Reverse Narrow Width Effect In Shallow

Trench Isolation Process

For \boxed{x} U.S. and/or \boxed{x} Foreign Rights

PATENT REEL: 9487 FRAME: 0667

(b)	U.S. patent application executed on	
(c)		filed on
(d)		
(u)	(also check (e	issued e) if foreign application(s) is also being assigned)
(e)	1 1	foreign country, including the right to clam priority
	inuation, division, renewal, or substitute, there	ined for said invention by the above application or any eof, and as to letters patent any re-issue or re-examination
be m	ASSIGNOR hereby covenants that no assignade or entered into which would conflict wi	gnment, sale, agreement or encumbrance has been or will th this assignment.
may proc	nent facts and documents relating to said ir be known and accessible to ASSIGNOR and eeding related thereto and will promptly exe	SNEE will, upon its request, be provided promptly with all nvention and said Letters Patent and legal equivalents as I will testify as to the same in any interference, litigation or cute and deliver to ASSIGNEE or its legal representatives
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appli or de IN W WAF	ication, said invention and said Letters Patesirable to carry out the purposes thereof. ITNESS WHEREOF, I / We have signed the same as the date. RNING Date of signing must be the same as the date.	tent and said equivalents thereof which may be necessary nis Date of signing) e of execution of the application if item (a) was checked above. Signature of ASSIGNORIST S

and which is found in

RECORDED: 09/28/1998

PATENT

__Notarization of Legalization Page Added.

REEL: 9487 FRAME: 0668