FORM PTO~1595

10-25-1999

VER SHEET U.S. DEPT. OF COMMERCE

1			
MC99-009	101180675		
To the Honorable Commissioner or H	ratents and Trademarks: Please		
1. Name of conveying party(ies)		2. Name and address of reco	eiving party(ies):
IASV DEN CIVIL CHUI HUNC	CITES	) m. a.	
JIAW-REN SHIH, SHUI-HUNG CHEN, JIAN-HSING LEE AND CHRONG JUNG LIN		Name: Taiwan Semicon	ductor Manufacturing
IAN-HSING EEE AND CHROP	IG JUNG LIN	Company	
		Internal Address:	
ditional name(s) or conveying party(ies)	attached? Yes X No	Marian I (dar ob).	9-5
	تا لـا	Street Address:	33.
Nature of conveyance		121 Park Ave. 3	₩.œ.
	erger	Science-Based Industria	al Park
A Assignment VI	cigei		Zip:
	1 (2)	Country: Taiwan, R.O	
Security Agreement C	hange of Name		
other			
Other			
0.000			
Execution Date: 9/8/99  Application number(s) or patent	• ()	Additional name(s) & address	s(es) attached? Yes X
If this document is being filed to A. Patent Application No(s)	gether with a new application	the execution date of the app B. Patent No.(s)	
	gether with a new application		1
	gether with a new application	B. Patent No.(s)	1
	Additional numbers attache	B. Patent No.(s)	8030
A Patent Application No(s)	Additional numbers attache	B. Patent No.(s) $OA/UI$ d? Yes $x$ No	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be not a concer	Additional numbers attache hom correspondence nailed	B. Patent No.(s) $OA/UI$ d? Yes $x$ No	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be n	Additional numbers attache hom correspondence nailed	B. Patent No.(s) $OA/UI$ d? Yes $x$ No	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be not a concer	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oa / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be not a concer	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oq / U/  d? Yes x No  6. Total no. of applications a	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be no Name: GEORGE O. SAILE Internal Address:	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oq / U/  d? Yes x No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed	8030  and patents involved:: 1  \$40.00
A. Patent Application No(s)  Name and address of party to w concerning document should be not a concer	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oq / U/  d? Yes x No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed	8030
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oq / U/  d? Yes x No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed	8030  and patents involved:: 1  \$40.00  harged to deposit acct.
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:	Additional numbers attache hom correspondence nailed  SH DRIVE  E NY ZIP: 12603	B. Patent No.(s)  Oq / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be checked.  8 Deposit account number: (Attach duplicate copy of this patents)	8030  and patents involved:: 1  \$40.00  harged to deposit acct.
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS	Additional numbers attache hom correspondence nailed	B. Patent No.(s)  Oq / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be checked.  8 Deposit account number: (Attach duplicate copy of this patents)	8030  and patents involved:: 1  \$40.00  harged to deposit acct.
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS	Additional numbers attache hom correspondence nailed  SH DRIVE  E NY ZIP: 12603	B. Patent No.(s)  Oq / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be checked.  8 Deposit account number: (Attach duplicate copy of this patents)	8030  and patents involved:: 1  \$40.00  harged to deposit acct.
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS	Additional numbers attache hom correspondence nailed  SH DRIVE  E NY ZIP: 12603	B. Patent No.(s)  Oq / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be checked.  8 Deposit account number: (Attach duplicate copy of this patents)	8030  and patents involved:: 1  \$40.00  harged to deposit acct.
A. Patent Application No(s)  Name and address of party to w concerning document should be not name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS  City: POUGHKEEPSIE State  9 Statement and signature.	Additional numbers attache hom correspondence nailed  SH DRIVE  ENY ZIP: 12603  DO NOT USE TO	B. Patent No.(s)  Oa   U   d? Yes   X   No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be ch  8 Deposit account number: (Attach duplicate copy of this pa	8030  and patents involved:: 1  \$40.00  harged to deposit acct.  19-0033 Lage if paying by deposit account
A. Patent Application No(s)  Name and address of party to w concerning document should be not name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS  City: POUGHKEEPSIE State  9 Statement and signature.  To the best of my knowledge and	Additional numbers attache hom correspondence nailed  SH DRIVE  ENY ZIP: 12603  DO NOT USE TO	B. Patent No.(s)  Oa   U   d? Yes   X   No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be ch  8 Deposit account number: (Attach duplicate copy of this pa	8030  and patents involved:: 1  \$40.00  harged to deposit acct.  19-0033 Lage if paying by deposit account
A. Patent Application No(s)  Name and address of party to w concerning document should be not name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS  City: POUGHKEEPSIE State  9 Statement and signature.	Additional numbers attache hom correspondence nailed  SH DRIVE  ENY ZIP: 12603  DO NOT USE TO	B. Patent No.(s)  Oa   U   d? Yes   X   No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be ch  8 Deposit account number: (Attach duplicate copy of this pa	8030  and patents involved:: 1  \$40.00  harged to deposit acct.  19-0033 Lage if paying by deposit account
A. Patent Application No(s)  Name and address of party to w concerning document should be not name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS  City: POUGHKEEPSIE State  9 Statement and signature.  To the best of my knowledge and	Additional numbers attache hom correspondence nailed  SH DRIVE  ENY ZIP: 12603  DO NOT USE TO	B. Patent No.(s)  Oa   U   d? Yes   X   No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be ch  8 Deposit account number: (Attach duplicate copy of this pa	8030  and patents involved:: 1  \$40.00  harged to deposit acct.  19-0033 Lage if paying by deposit account
A. Patent Application No(s)  Name and address of party to w concerning document should be n Name: GEORGE O. SAILE Internal Address:  Street Address: 20 MCINTOS	Additional numbers attache hom correspondence nailed  SH DRIVE  E NY ZIP: 12603	B. Patent No.(s)  Oq / U/  d? Yes X No  6. Total no. of applications a  7. Total fee (37 CFR 3.41):  Enclosed  X Authorized to be checked.  8 Deposit account number: (Attach duplicate copy of this patents)	\$ 40.00 harged to deposit acct.

10/22/

01 FC:581

40.00 CH

**PATENT** 

**REEL: 010322 FRAME: 0659** 

	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:				
Address Litt	Type or print name of ASSIGNOR  No. 36 Lane 228, Wu-Lin Rd,  Address  Hein-Chu, Taiwan, R.O. C  Republic of China  Nationality			
Type or print name of ASSIGNOR  27. No. 342, Chang Chang Rd, Address  Msin-Tian City. Taiper, Taiwan  Republic of China  Nationality	Type or print name of ASSIGNOR  No. 11, Pau-San Rd., Hs.n-Chy  Address  The nam RUC  Forublic of China  Nationality			
Taiwan Semiconductor Manufacturing Co. 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 representatives of the ASSIGNEE				
(complete one of the following)				
x 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:				

A Novel Plasma Damage Protection Cell Using Floating N/P/N And P/N/P Structure

PATENT REEL: 010322 FRAME: 0660

and which is found in			
(a) x U.S. patent application executed on even da	te herewith		
(b) U.S. patent application executed on			
(c) U.S. application serial no.	filed on		
(d) U.S. patent no	issued		
(also check (e) if forei	gn application(s) is also being assigned)		
(e) and any legal equivalent thereof in a foreign	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	sale, agreement or encumbrance has been or will assignment.		
ASSIGNOR further covenants that ASSIGNEE we pertinent facts and documents relating to said invention may be known and accessible to ASSIGNOR and will test proceeding related thereto and will promptly execute and any and all papers, instruments or affidavits required to application, said invention, and said Letters Patent and or desirable to carry out the purposes thereof.	tify as to the same in any interference, litigation or d deliver to ASSIGNEE or its legal representatives apply for, obtain, maintain, issue and enforce said		
IN WITNESS WHEREOF, I / We have signed this			
(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.			
Date of signing must be the same as the date of execu			
	Signature of ASSIGNOR(S)  Shui-Turpe Con  Chang Jung  Jan  Jan  Jan  Jan  Jan  Jan  Jan  J		
If ASSIGNOR is a legal entity complete the following information	ation		
	Type or print the name of the above person authorized to sign on behalf of ASSIGNOR		
	Title		
Note: No witnessing, notarization or legalization is necessary, if the assign	ment is notarized or legalized then it will only be prima facie evidence (35 USC		

PATENT
RECORDED: 10/16/1999 REEL: 010322 FRAME: 0661

\_\_Notarization of Legalization Page Added.

261). Use next page if notarization is desired.