	12-03-19	999	HEET	Patent and Tr	COMMERCE ademark Offic
11.000			Y		
CS99-059 VVV / 1 1 0 1			in al da aum	ants as any thes	- of
To the Honorable Commissioner of Pater 1. Name of conveying party(ies):	1012138	45		nents or copy ther eiving party(ies	
JAMES YONG MENG LEE		Name: <u>Charter</u>	ed Semi	<u>conductor Mar</u>	ufacturing
		<u>Ltd.</u>			Q
		Internal Address	3 :		212
Additional name(s) or conveying party(ies) attached?	Yes X No				393
		Street Address:			2 A
X Assignment Merger		60 Woodlands Street 2	Industri	al Park D	
A Assignment Merger		City: Singapo		Zip: 738406	C C
Security Agreement Change of	Name	Country: Sing	apore		
other		<i>mc</i> ///			
Joiner		09/4	3 73	357	
Execution Date: <u>9/29/99</u>		ر Additional name(s) & addres	s(es) attached?	Yes X N
4 Application number(s) or patent number(s)	s):		,		
<u>A.</u> Patent Application No(s)			ent No.(s)	<u>)/99</u>
	onal numbers attached		10		
Additio 5 Name and address of party to whom con- concerning document should be mailed: Name: GEORGE O. SAILE	·····	 H? Yes X N 6 Total no. of app 	lications	and patents invo	
Additio 5 Name and address of party to whom con concerning document should be mailed:	·····	1? Yes X M	lications	and patents invo	
Additio 5 Name and address of party to whom con- concerning document should be mailed: Name: GEORGE O. SAILE	rrespondence	 H? Yes X N 6 Total no. of app 	lications	and patents invo	
Additio 5 Name and address of party to whom con- concerning document should be mailed: Name: <u>GEORGE O. SAILE</u> Internal Address:	rrespondence	 1? Yes X M 6 Total no. of app 7. Total fee (37 Classical fee (37 Classical	No lications FR 3.41)	and patents invo	olved:: 1
Additio Name and address of party to whom concorning document should be mailed: Name: GEORGE O. SAILE Internal Address:	rrespondence	 1? Yes X M 6 Total no. of app 7. Total fee (37 Classical fee (37 Classical	No lications FR 3.41)	and patents invo	olved:: 1
Additio 5 Name and address of party to whom con- concerning document should be mailed: Name: <u>GEORGE O. SAILE</u> Internal Address:	rrespondence	 1? Yes X M 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account 	FR 3.41): c ed to be c	and patents invo \$ <u>40.00</u> tharged to deport	olved∷ <u>1</u>
Additio 5 Name and address of party to whom con concerning document should be mailed: Name: GEORGE O. SAILE Internal Address: Street Address: 20 MCINTOSH DRIV	rrespondence	 1? Yes X M 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account (Attach duplicate copt 	FR 3.41): c ed to be c	and patents invo \$ <u>40.00</u> tharged to deport	olved∷ <u>1</u>
Additio 5 Name and address of party to whom con concerning document should be mailed: Name: GEORGE O. SAILE Internal Address: Street Address: 20 MCINTOSH DRIV	rrespondence / <u>/E</u> ZIP <u>12603</u>	 1? Yes X M 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account (Attach duplicate copt 	FR 3.41): c ed to be c	and patents invo \$ <u>40.00</u> tharged to deport	olved∷ <u>1</u>
Additio 5 Name and address of party to whom con concerning document should be mailed: Name: GEORGE O. SAILE Internal Address: Street Address: 20 MCINTOSH DRIV	Trespondence /E ZIP <u>12603</u> DO NOT USE T	 d? Yes X N 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account (Attach duplicate coption of the second second	FR 3.41): C ed to be c at number	and patents invo \$ <u>40.00</u> tharged to deport tharged if paying by d	olved∷ <u>1</u> sit acct. ∠ eposit account)
Additio 5 Name and address of party to whom concorning document should be mailed: Name: GEORGE O. SAILE Internal Address: Internal Address: Street Address: 20 MCINTOSH DRIV City POUGHKEEPSIE State 9 Statement and signature. To the best of my knowledge and belief the of the original document STEPHEN B. ACKERMAN	Trespondence	 d? Yes X N 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account (Attach duplicate coption of the second second	FR 3.41): C ed to be c at number	and patents invo \$ <u>40.00</u> tharged to deport tharged if paying by d	blved:: 1 sit acct. eposit account) by is a true co
Additio 5 Name and address of party to whom concorning document should be mailed: Name: GEORGE O. SAILE Internal Address: Internal Address: Street Address: 20 MCINTOSH DRIV City POUGHKEEPSIE State 9 Statement and signature . To the best of my knowledge and belief to of the original document STEPHEN B. ACKERMAN Name of Person Signing	Trespondence	 d? Yes X N 6 Total no. of app 7. Total fee (37 Ci Enclosed X Authorize 8 Deposit account (Attach duplicate coption of the second second	FR 3.41): C ed to be c at number	and patents invo \$ 40.00 tharged to deport 	blved:: 1 sit acct. eposit account) by is a true co
Additio 5 Name and address of party to whom concorning document should be mailed: Name: GEORGE O. SAILE Internal Address: Internal Address: Street Address: 20 MCINTOSH DRIV City POUGHKEEPSIE State 9 Statement and signature. To the best of my knowledge and belief the original document STEPHEN B. ACKERMAN	Trespondence	 i? Yes X N 6 Total no. of app 7. Total fee (37 C) Enclosed X Authorize 8 Deposit account (Attach duplicate copt HIS SPACE 	FR 3.41): C ed to be c at number	and patents invo \$ <u>40.00</u> tharged to depose tharged to depose 19-0033 age if paying by d any attached con <u>November</u>	olved∷ <u>1</u> sit acct. ∠ eposit account) by is a true co

PATENT REEL: 010407 FRAME: 0893



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:

JAMES YONG MENG LEE Type or print name of ASSIGNOR BLK LOB JUPONG EAST ST 13 Address #12-208 SINKLAPORE 600103

SINGAPOREAN

Nationality

ASSIGNEE

Chartered Ser	niconductor Manufacturing Ltd.
60 Woodlands	Industrial Park D
Street 2	
Singapore 738	3406
Singapore	
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)

and in all foreign countries

in and to any and all improvements which are disclosed in the invention entitled:

Improved Shallow Trench Isolation Process

PATENT REEL: 010407 FRAME: 0894 and which is found in

(a)	x	U.S. patent application executed on even	date 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 fo	eign 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 said invention by the above application or any continuation, division, renewal, or substitute, thereof, and as to letters patent any re-issue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF. I / We have signed this

29th September 1999 (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

SIGNATURE OF ASSIGNORIST

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

Title

Note No witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC

26:) I se next page if notarization is desired

__Notarization of Legalization Page Added.

PATENT REEL: 010407 FRAME: 0895

RECORDED: 11/15/1999