FORM PTO~1595	RECORDATION F	USW COALL SHEEL	U.S. DEPT. OF COMMERO Patent and Trademark
Office	01-29-		ratent and Trademark
CS03-015 1.16-04			
To the Honorable Commissioner of Pa 1. Name of conveying party(ies):	102656	12. Name and address of re	cuments or copy thereof. ceiving party(ies):
CHYIU HYIA POON, LENG SEC JIN CHO, ALEX SEE, MOUSUM	•	Name: <u>Chartered Sem</u> <u>Ltd.</u>	iconductor Manufacturir
Additional name(s) or conveying party(ies) a	attached? Yes X No	Internal Address:	
3. Nature of conveyance X Assignment Merger Security Agreement Change of Name		Street Address: 60 Woodlands Industrial Park D Street 2	
		City: Singapore Zip: 738406 Country: Singapore	
other	<u> </u>		
Execution Date: <u>12/19/03</u>		Additional name & address	attached? Yes X N
	Additional numbers attache		
5. Name and address of party to wh	nom correspondence	d? Yes X No 6. Total no. of applications	and patents involved:: 1
Name: GEORGE O, SAILE Internal Address:		7. Total fee (37 CFR 3.41)): \$ 40.00
		Enclosed	
Street Address: 28 DAVIS AV	ENUE	X Authorized to be	charged to deposit acct.
City: POUGHKEEPSIE State	: NY ZIP: 12603 DO NOT USE T		r: <u>19-0033</u> page if paying by deposit acco
Statement and signature.To the best of my knowledge and of the original document	belief the foregoing informa	ation is true and correct and	any attached copy is a true
STEPHEN B. ACKEI		31/	1/16/04
Name of Person Signing 2004 DBYRNE 00000068 190033 1075967	1	Signature	Date
8021 40.00 DA			

	For x U.S. and/or x Foreign Rights			
CS03-015	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:				
CHYIU HYIA POON	LENG SEOW TAN Type or print name of ASSIGNOR			
Type or print name of ASSIGNOR				
21 Lentor Green	25 Chu Yen Street			
Singapore 789270 Singapore	Singapore 669827 Singapore			
Singaporenn.	Malaysian			
Nationality	Nationality			
BYUNG JIN CHO Type or print name of ASSIGNOR	ALEX SEE Type or print name of ASSIGNOR			
	5 Roca (2017) # 12 -12			
Address	Address			
Address Singapore 129792 Singapore	5 Rosewood Drive, #17-12 Address Singapore 737936 Sinjapoire Singaporean			
Konem	Singapolean			
Nationality	Nationality			
ASSIGNEE:				
Chartered Semiconductor Manufacturing Ltd. 60 Woodlands Industrial Park D				
Street 2				
Singapore 738406				
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:				
<u>Dual Step Source/Drain Extension Junction Anneal To Reduce The Junction Depth:</u> Multiple-Pulse Low Energy Laser Anneal Coupled With Rapid Thermal Anneal				

	For x U.S. and/or x Foreign Rights			
CS03-015	For X Application or U.S. Patent			
	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:				
MOUSUMI BHAT Type or print name of ASSIGNOR 12 WOODGROVE DR. #09-6 Address SINGAPORE - 738 212 SI				
USA	0 •			
Nationality				
ASSIGNEE: Chartered Semiconductor Manufacturing 60 Woodlands Industrial Park D Street 2 Singapore 738406	Ltd.			
Singapore Nationality				
and the successors, assigns and legal represe	entatives of the ASSIGNEE			
(complete d	one of the following)			
x the entire right, title and interest				
	interest for the United States and its territorial possessions in rights are also to be assigned)			
in and to any and all improvements which are	disclosed in the invention entitled:			
<u>Dual Step Source/Drain Extention Junction</u> <u>Multiple-Pulse Low Energy Laser Anneal Control of the Control of </u>				

and which is found in				
(a) U.S. patent application executed on even da	te herewith			
(b) X U.S. patent application executed on 12203, 121403, 12403, 11/21/03 \$ 12/16/03				
· ·	filed on			
(d) U.S. patent no.	issued			
(also check (e) if foreign (e) x and any legal equivalent thereof in a foreign	gn application(s) is also being assigned) 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, 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 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				
VVV II VI VII VO Date of signing must be the same as the date of exec	union of the application in term (a) was checked above.			
	Signature of Assignor(S)			
	- Sommer and the second			
	A STATE OF THE STA			
	See			
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			
Note: No cincolina acceptant and the state of the state o	Title			
Note: No witnessing, notarization or legalization is necessary, if the assignm 261). Use next page if notarization is desired.	nent is notarized or legalized then it will only be prima facie evidence (35 USC			

__Notarization of Legalization Page Added.

and which is found in				
(a) U.S. patent application executed on even da	te herewith			
(b) X U.S. patent application executed on 12/203, 12/903, 12/903, 11/21/03 & 12/903				
	filed on			
(d) U.S. patent no.	issued			
(also check (e) if foreign application(s) is also being assigned) (e) x 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	_			
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 10 10 0 5				
	Signature of ASSIGNOR(S)			
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 assigning 261). Use next page if notarization is desired.	ment is notarized or legalized then it will only be prima facie evidence (35 USC			

RECORDED: 01/16/2004

PATENT REEL: 014919 FRAME: 0443

 $\underline{\hspace{1.5cm}} \text{Notarization of Legalization Page Added}.$