		OPM COVER SHEET	U.S. DEPT. OF COMMERCE Patent and Trademark
Office	10-17-2002	2	Patent and Trademark
12		illi JLY	
CS01-030		- (#1)	
To the Honorable Commissioner c	102251749		iments or copy thereof.
1. Name of conveying party(ies):	2	2. Name and address of rec	eiving party(ies):
10/03/0			
CHEW-HOE AND, ENG HUA LIM, RA JIA ZHEN ZHENG, ELGIN QUEK, ME	NDALL CHA,		conductor Manufacturing
ZHOU, DANIEL YEN	A SHENG	Ltd.	0
,		Internal Address:	u
Additional name(s) or conveying party(ies) attached	Yes X No		. 66 80
		Street Address:	263.
3. Nature of conveyance		60 Woodlands Industri	ol Dowle D
X Assignment Merger		Street 2	City:
A rissignment		Singapore Zip: 73	
Security Agreement Change of	f Name	Country: Singapore	
other			
Execution Date: 7/6/02		Additional name(s) & addres	s(es) attached? Yes X
4. Application number(s) or patent number	(-)	No No	
4. Application fulliber(s) of patent fulliber	3) / <i>U</i> /-	263875	
If this document is being filed together v	vith a new application		pplication is:
12/13/01,12/14/01,7/6/02 A Potent Application No.(a)	•	D. D. ( ) ( )	
A. Patent Application No(s)		B. Patent No.(s)	
Additio	onal numbers attached	42 Vas V Na	
5. Name and address of party to whom co		<del></del>	and notonto involved. 1
concerning document should be mailed:	respondence _	6. Total no. of applications a	ina patems involved:: 1
Name: GEORGE O. SAILE			
Internal Address:		7. Total fee (37 CFR 3.41):	\$ <u>40.00</u>
		<u></u>	
		Enclosed	
00 DAMO ALEMA		<u> </u>	
Street Address: 28 DAVIS AVENUE		X Authorized to be cl	parged to deposit acct
City: POUGHKEEPSIE State: NY	ZIP: <b>12603</b>	8 .Deposit account number:	19-0033
			age if paying by deposit account)
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9. Statement and signature.			
To the best of my knowledge and belief to of the original document	ne foregoing informat	ion is true and correct and ar	ny attached copy is a true copy
S. a.o engar document		V	
STEPHEN B. ACKERMAN		N-	10/3/02
Name of Person Signing		Signature	Date
			-DATENT

**REEL: 013375 FRAME: 0609** 

	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 ASSIGNE receipt of which is hereby acknowledged, and	E to ASSIGNOR of the sum of One Dollar (\$1.00), the I for other good and valuable consideration,
ASSIGNOR:	
CHEW HOE ANG Type or print name of ASSIGNOR Ap+ B)k 559, #06-68 Address	ENG HUA LIM  Type or print name of ASSIGNOR  BUK 521, BEDOK NORTH  Cyl Address
Singaporean.	SINGERPUREAN
Nationality	Nationality
RANDALL CHA Type or print name of ASSIGNOR  &COCK 302, #05-3k  Address TAMPINES STREET 32 SNGAPORE 52030:	JIA ZHEN ZHENG  Type or print name of ASSIGNOR  38 Verde Grove  Address  - Singapore 6885-70 Singapai
SINGAPOREAN SINGAPORE	Sincaporean
Nationality	Nationality
ASSIGNEE	
Chartered Semiconductor Manufacturing 60 Woodlands Industrial Park D Street 2 Singapore 738406 Singapore Nationality	Ltd.
and the successors, assigns and legal repres	
the entire right, title and interest	one of the following)
an undivided percent (%)  (check the following box/f foreign	interest for the United States and its territorial possessions gn 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 Method Of Fabricating Variable Length Vertical Transistors

PATENT REEL: 013375 FRAME: 0610

	For x U.S. and/or x Foreign Rights
	For X Application or U.S. Patent
	7 CI Application of 0.5. Paterit
	By X Inventor(s) or Present Owner
ASSIGNMENT	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 for other good and valuable consideration,
ASSIGNOR:	
ELGIN QUEK Type or print name of ASSIGNOR	MEI SHENG ZHOU Type or print name of ASSIGNOR
239 Lor 1 Ton Payon #04-98	36 Verde Crescont
Address 31923 5 Dangery 12	Address (SS 19) Sumper
Singapore 310239 Stagepile	The sacre
Sin cape of Nationality	Nationality
DANIEL YEN	
Type or print name of ASSIGNOR	
Address	
Nationality	
ASSIGNEE:	
Chartered Semiconductor Manufacturing 60 Woodlands Industrial Park D	Ltd.
Street 2 Singapore 738406	
Singapore 730400	
Nationality	
and the successors, assigns and legal repres	sentatives of the ASSIGNEE
(complete	one of the following)
x the entire right, title and interest	
<u></u>	interest for the United States and its territorial possessions on rights are also to be assigned)
x and in all foreign countries	gn ngma are also to be assigned)

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

A Novel Method Of Fabricating Variable Length Vertical Transistors

PATENT REEL: 013375 FRAME: 0611

	For x U.S. and/or x Foreign Rights	
	For X Application or U.S. Patent	
	By X Inventor(s) or Present Owner	
ASSIGNMEN	T OF INVENTION	
In consideration of the payment by ASSIGNE receipt of which is hereby acknowledged, an	EE to ASSIGNOR of the sum of One Dollar (\$1.00), the address of the good and valuable consideration,	
ASSIGNOR:		
Type or print name of ASSIGNOR	Type or print name of ASSIGNOR	
Address Singapore 310239 Singapore	Address	
Singapore Nationality	Nationality	
DANIEL YEN Type or print name of ASSIGNOR		
Address Craye Grave XD. No.33-, ( Tajwan ROC)  Nationality	(Init loos, Singapore	
ASSIGNEE:		
Chartered Semiconductor Manufacturing 60 Woodlands Industrial Park D Street 2 Singapore 738406 Singapore Nationality	g Ltd.	
and the successors, assigns and legal repre	esentatives of the ASSIGNEE e one of the following)	
x the entire right, title and interest		
	b) interest for the United States and its territorial possessions sign 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 Method Of Fabricating Variable Length Vertical Transistors

PATENT REEL: 013375 FRAME: 0612

and which is	tound in	
(a) U	.S. patent application executed on even da	te herewith
` ' 🗀	.S. patent application executed on <u>১২ ।</u> ৪	
<del></del>	.S. application serial no.	
(a) U	.S. patent no.	
		gn application(s) is also being assigned)
(e) ar	nd any legal equivalent thereof in a foreign	country, including the right to clam priority
		said invention by the above application or any das to letters patent any re-issue or re-examination
	NOR hereby covenants that no assignment, entered into which would conflict with this a	sale, agreement or encumbrance has been or will assignment.
pertinent fact may be known or proceeding any and all properties, application, or desirable	ets and documents relating to said invention with and accessible to ASSIGNOR and will to grelated thereto and will promptly execute a papers, instruments or affidavits required to said invention and said Letters Patent and to carry out the purposes thereof.  SWHEREOF, 1/We have signed this	ill, upon its request, be provided promptly with all and said Letters Patent and legal equivalents as testify 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
	Date of signing must be the same as the date of exec	Signifig) sution of the application if item (a) was checked above.  Signature of ASSIGNOR(S)
If ASSIGNO	R is a legal entity complete the following inform	Type or print the name of the above person authorized to sign on behalf of ASSIGNOR
Note:	No witnessing, notarization or legalization is necessary, if the assigni	Title  ment is notarized or legalized then it will only be prima facie evidence (35 USC

261). Use next page if notarization is desired.

\_\_\_Notarization of Legalization Page Added.

and which is found in	
(a) U.S. patent application executed on even da	ate herewith
(b) U.S. patent application executed on 2/3	
	filed on
(d) U.S. patent no.	
(also check (e) if fore	ign 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 fo continuation, division, renewal, or substitute, thereof, an thereof.	•
ASSIGNOR hereby covenants that no assignment be made or entered into which would conflict with this	t, sale, agreement or encumbrance has been or will assignment.
ASSIGNOR further covenants that ASSIGNEE value pertinent facts and documents relating to said invention may be known and accessible to ASSIGNOR and will or proceeding related thereto and will promptly execute 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.	testify as to the same in any interference, litigation and deliver to ASSIGNEE or its legal representatives apply for, obtain, maintain, issue and enforce said
IN WITNESS WHEREOF, I / We have signed this	*
WARNING Date of signing must be the same as the date of exe	cution of the application if item (a) was checked above.  Signature of ASSIGNOR(S)  January  January
If ASSIGNOR is a legal entity complete the following infor	mation
	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 assig	nment is notarized or legalized then it will only be prima facie evidence (35 USC

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\_\_\_Notarization of Legalization Page Added.

and which is found in		
(a) U.S. patent application executed on even da (b) X U.S. patent application executed on 12/13	101, 12/14/c1, 7/0/02,	
	filed on	
(d) U.S. patent no	issued	
	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 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	oisning)	
WARNING Date of signing must be the same as the date of execution and the same as the		
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 witnessing, notarization or legalization is necessary, if the assignment is notarized or legalized then it will only be prima facie evidence (35 USC 261). Use next page if notarization is desired.

Title

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PATENT
RECORDED: 10/03/2002 REEL: 013375 FRAME: 0615