PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6842442

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
YONGSHUN SUN	07/30/2021
SHYUE SENG TAN	07/30/2021
ENG HUAT TOH	07/30/2021
XINSHU CAI	07/30/2021

RECEIVING PARTY DATA

Name: GLOBALFOUNDRIES SINGAPORE PTE. LTD.			
Street Address:	60 WOODLANDS INDUSTRIAL PARK D STREET 2,		
City:	SINGAPORE		
State/Country:	SINGAPORE		
Postal Code:	738406		

PROPERTY NUMBERS Total: 1

Property Type	Number			
Application Number:	17391031			

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: ippg@globalfoundries.com

Correspondent Name: GLOBALFOUNDRIES SINGAPORE PTE. LTD.

Address Line 1:WOODLANDS IND PARK D STREET 2Address Line 4:SINGAPORE, SINGAPORE 738406

ATTORNEY DOCKET NUMBER:	GFSG2021020-US-NP
NAME OF SUBMITTER:	DAVID CAIN
SIGNATURE:	/David Cain/
DATE SIGNED:	08/02/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 057046 FRAME: 0694

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COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention

A NONVOLATILE MEMORY DEVICE WITH A DOPED REGION BETWEEN A SOURCE AND A DRAIN AND INTEGRATION SCHEMES

Invention	A SOURCE AND A DRAIN AND INTEGRATION SCHEMES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	V V 11 ,
	United States application or PCT international application number filed on
The above-ide	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ent of not more than five (5) years, or both.
	ed and understand the contents of the application and am aware of the duty to disclose to the US Patent and ffice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby ransfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in vention listed above, together with the Application, any and all Patents that may issue in the United States reign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals thereof that may be issued or granted, and all right, title and interest to the inventions contained in said applications, for the United States and all foreign countries, and all the rights and privileges relating thereto a not limited to the priority rights arising from said Applications, the right to recover and take all such as may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions.
	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof teless remain in full force and effect.
LEGAL NAN	Æ OF INVENTOR
	SUN, YONGSHUN Date : 30/07/2021
Signature:	Zózm

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of

A NONVOLATILE MEMORY DEVICE WITH A DOPED REGION BETWEEN

Invention	A SOURCE AND A DRAIN AND INTEGRATION SCHEMES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	on
	United States application or PCT international application number filed on
The above-ide	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
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	ed and understand the contents of the application and am aware of the duty to disclose to the US Patent and ffice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings a	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby ansfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in rention listed above, together with the Application, any and all Patents that may issue in the United States reign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals thereof that may be issued or granted, and all right, title and interest to the inventions contained in said applications, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority rights arising from said Applications, the right to recover and take all such as may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions.
	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
LEGAL NAM	ME OF INVENTOR
Inventor:	TAN, SHYUE SENG Date : July 30 2021
Signature:	Jasontan

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention

A NONVOLATILE MEMORY DEVICE WITH A DOPED REGION BETWEEN A SOURCE AND A DRAIN AND INTEGRATION SCHEMES

Invention	A SOURCE AND A DIVINI AND INTEGRATION SCHEMES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application number filed on
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I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by finement of not more than five (5) years, or both.
	red and understand the contents of the application and am aware of the duty to disclose to the US Patent and affice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby ransfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in vention listed above, together with the Application, any and all Patents that may issue in the United States reign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals a thereof that may be issued or granted, and all right, title and interest to the inventions contained in said applications, for the United States and all foreign countries, and all the rights and privileges relating thereto the not limited to the priority rights arising from said Applications, the right to recover and take all such as may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions.
	on of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof neless remain in full force and effect.
LEGAL NAN	ME OF INVENTOR
Inventor:	TOH, ENG HUAT Date: 30th July 2021
Signature:	at the second se

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of

RECORDED: 08/02/2021

A NONVOLATILE MEMORY DEVICE WITH A DOPED REGION BETWEEN

Invention	A SOURC	CE AND A DRAIN	AND INTEGR	RATIO	N SCHEMES	
			DECLARATION	I		
As the below	named invent	or, I hereby declare that	:			
This declaration is directed to:	on 🔀	The attached application	on, or			
		United States application	on or PCT internati	ional app	lication number	_ filed on
The above-ide	entified applic	cation was made or autho	orized to be made b	y me.		
I believe that	I am the origi	nal inventor or an origin	al joint inventor of	a claime	ed invention in the application	n.
		any willful false stateme re than five (5) years, or		claration i	is punishable under 18 U.S.	C. 1001 by fine
					f the duty to disclose to the s defined in 37 CFR § 1.56.	
			ASSIGNMENT			
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings a	ansfer, to GLe 2, Singapore, vention listed reign countrie thereof that a applications, for not limited that as may be not	OBALFOUNDRIES Sir, 738406, its successors above, together with thes, and any reissues, rees; may be issued or grante for the United States and to the priority rights ar	ngapore Pte. Ltd. ha and assigns, absolu e Application, any xaminations, renew ed, and all right, ti d all foreign countraising from said A ery of damages or	aving a b aving a b and all l vals, cont itle and i ries, and a pplicatio r otherwi	Which are hereby acknowl usiness address of 60 Wood forever, my entire right, title Patents that may issue in the inuations, continuation-in-puterest to the inventions could the rights and privileges ns, the right to recover an ise in respect of past, presentions.	llands Industrial e and interest in he United States harts, divisionals ontained in said relating thereto d take all such
		abined Declaration or A in full force and effect.		l unenfoi	rceable, then remaining po	ortions hereof
I DOMENTAN	AE OE DIEZE	ATTOR.				
LEGAL NAM				Data		
	CAI, XINS			Date :	2021 JULY 30th	
Signature:	- Calcon	Shu				
Note: An appli	cation data she	et (PTO/SB/14 or equivale	nt), including naming	o the entir	e inventive entity, must accom	oany this form.

Use an additional form for each additional inventor.