505719618 10/11/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5766429

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIEHUI SHU	10/11/2019
SIPENG GU	10/10/2019
HAITING WANG	10/10/2019

RECEIVING PARTY DATA

Name:	GLOBALFOUNDRIES INC.
Street Address:	PO BOX 309
Internal Address:	UGLAND HOUSE
City:	GRAND CAYMAN
State/Country:	CAYMAN ISLANDS
Postal Code:	KY1-1104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16599684

CORRESPONDENCE DATA

Fax Number: (703)848-2981

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: sovando@rmsclaw.com

Correspondent Name: ANDREW M. CALDERON

Address Line 1: 7918 JONES BRANCH DRIVE, SUITE 500

Address Line 4: MCLEAN, VIRGINIA 22102

NAME OF SUBMITTER:	ANDREW M. CALDERON	
SIGNATURE:	/Andrew M. Calderon/	
DATE SIGNED: 10/11/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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PATENT 505719618 REEL: 050690 FRAME: 0422

COMBINED DECLARATION and ASSIGNATION OF TREE ASSIGNATION DATAS	FOR CTILITY OR DESIGN APPLICATION
Title of Invention	
DECLARATION	
A the below named over now I bereby dockure that	
This declaration The attached application of a directed to	
United States application or PCT internal	onal application number filed on
The above identified application was made or authorized to be made by	y the
Theneve that I am the original inventor or an original ions inventor of	
	leration is punishable under 18 U.S.C. 1001 by time.
	award of the duty to disclose to the US Parent end
Transmit Office all information knows to the transmit to account to	
ASSIGNMENT	
And the state of t	agrance and research PO BOX 100 LGLASCL accessors and a secret absolutely and long-on-thy-
CHAIRE THE REPORT AND ADDRESS OF A SHARE AND	ner with the Application and social Patents that Names are examinated by representation of matching
green and a property of the Control	estes and all foreign commissional all the right neglectors are the result and Applications, the right to
	reers of Samueles in the West in Colors in 1995.
If any portion of this Combined Declaration or Assignment is held shall nevertheless remain in full force and effect.	I unenforceable, then remaining portions hereof
LEGAL MASSE OF INVENTOR	Date
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Son. An application data direct (PTOSE) for equivalent) sucleding transfer.	Care and a parallel state, block accombined green even

PATENT REEL: 050690 FRAME: 0423

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	GATE STRUCTURES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration is directed to:	on
	United States application or PCT international application number filed on
The above-ide	ntified 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.
l hereby ackno	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine out of not more than five (5) years, or both.
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.	
	ASSIGNMENT
hereby sell, as: HOUSE, GRA entire right, titi may issue in the continuation-ir inventions con and privileges recover and tal	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I sign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO BOX 309, UGLAND ND CAYMAN, CAYMAN ISLANDS KYI-1104 its successors and assigns, absolutely and forever, my leand interest in and to the invention listed above, together with the Application, any and all Patents that the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, reparts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the tained in said Patents and Applications, for the United States and all foreign countries, and all the rights relating thereto including but not limited to the priority rights arising from said Applications, the right to the all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, are infringement, and the right to apply for, take and maintain patents on said inventions.
If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.	
LEGAL NAMI	E OF INVENTOR
Inventor:	Sipeng GU Date: 10/10/2019
Signature: Lipery &	
Note: An applica	tion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

PATENT REEL: 050690 FRAME: 0424

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)	
	GATE STRUCTURES
Title of Invention	
·	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	N 1
	United States application or PCT international application number filed on
The above-id	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.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.	
	ASSIGNMENT
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO BOX 309, UGLAND HOUSE, GRAND CAYMAN, CAYMAN ISLANDS KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States and all foreign countries, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.	
If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.	
LEGAL NAI	ME OF INVENTOR
Inventor:	Haiting WANG Date: 10/10/19
Signature	: Jornal
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.	

PATENT REEL: 050690 FRAME: 0425