PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4191289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIBHOR JAIN	12/12/2016
QIZHI LIU	12/12/2016
DAVID L. HARAME	12/14/2016
RENATA CAMILLO-CASTILLO	12/12/2016

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:	15383171

CORRESPONDENCE DATA

Fax Number: (937)443-6635

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.

Phone: 937-443-6600

Email: ipdocket@thompsonhine.com

Correspondent Name: THOMPSON HINE LLP
Address Line 1: 10050 INNOVATION DRIVE

Address Line 2: SUITE 400

Address Line 4: DAYTON, OHIO 45342-4934

ATTORNEY DOCKET NUMBER:	IBUR007-US-NP
NAME OF SUBMITTER:	WILLIAM R. ALLEN
SIGNATURE:	/William R. Allen/
DATE SIGNED:	12/19/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 040671 FRAME: 0032

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Total Attachments: 4 source=IBUR007-US-NP_Dec#page1.tif

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GF Ref. No.: IBUR007-US-NP

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

T	SIPOLAR JUNCTION TRANSISTORS WITH A COMBINED VERTICAL-LATERAL ARCHITECTURE
	DECLARATION
As the below named	inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
	United States application or PCT international application number filed on
	경우 발생하는 경영을 보고 있는데 되었다. 그 사람들이 되었다. 2015년 - 1918년
The above-identified	application was made or authorized to be made by me.
I believe that I am th	e original inventor or an original joint inventor of a claimed invention in the application.
	te that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by t of not more than five (5) years, or both.
I have reviewed and Trademark Office al	understand the contents of the application and am aware of the duty to disclose to the US Patent and 1 information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
hereby sell, assign, to Grand Cayman KYI the invention listed any foreign countrie extensions thereof the and Applications, for including but not lir proceedings as may infringement, and the	aluable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, I-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to above, together with the Application, any and all Patents that may issue in the United States and/or is, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or that may be issued or granted, and all right, title and interest to the inventions contained in said Patents or the United States and all foreign countries, and all the rights and privileges relating thereto inted to the priority rights arising from said Applications, the right to recover and take all such be necessary for the recovery of damages or otherwise in respect of past, present and future he right to apply for, take and maintain patents on said inventions.
If any portion of th shall nevertheless i	nis Combined Declaration or Assignment is held unenforceable, then remaining portions hereof remain in full force and effect.
Inventor —	INVENTOR hor Jain Date: 12/12/2016
Signature	

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: 040671 FRAME: 0034

GF Ref. No.: IBUR007-US-NP

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	BIPOLAR JUNCTION TRANSISTORS WITH A COMBINED VERTICAL-LATERAL ARCHITECTURE
	DECLARATION
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This declarati	1/ \
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.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by comment 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 ffice 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 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 Oizhi Liu Date: 12/12/16
Inventor:	Qizhi Liu Date :
Signature	Gizh Zin
Note: An app	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. nal 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)

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This declaration is directed to:	V V
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	towledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by somment of not more than five (5) years, or both.
I have review Trademark O	yed and understand the contents of the application and am aware of the duty to disclose to the US Patent and office all information known to me to be material to patentability as defined in 37 CFR § 1.56.
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If any portion	on of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof heless remain in full force and effect.
Shan neveru	ACCOUNT AND ACCOUNTS CONTROL OF THE
LEGAL NA	ME OF INVENTOR David L. Harame Date: Doc 14, 2016
Inventor: Signature	
Note: An app	olication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

GF Ref. No.: IBUR007-US-NP

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I believe that I a	tified application was made or authorized to be made by me. am the original inventor or an original joint inventor of a claimed invention in the application. wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ament of not more than five (5) years, or both.
I have reviewed Trademark Offi	and understand the contents of the application and am aware of the duty to disclose to the US Patent and ice 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 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.	
	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.
	E OF INVENTOR Renata Camillo-Castillo Date: 12.12.2016 Action data about (BTO/SP/14 on equivalent), including naming the entire inventive entity, must accompany this form.

Use an additional form for each additional inventor.

RECORDED: 12/19/2016