### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5686765

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
QIZHI LIU	08/22/2019
VIBHOR JAIN	08/22/2019
JOHN J. PEKARIK	08/23/2019

#### **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:	16551061

#### **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:	LBUR009-US-NP
NAME OF SUBMITTER:	WILLIAM R. ALLEN
SIGNATURE:	/William R. Allen/
DATE SIGNED:	08/26/2019

**Total Attachments: 3** 

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PATENT REEL: 050169 FRAME: 0198

GF Ref. No.: LBUR009-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	SELF-ALIGNED BASE AND EMITTER FOR A BIPOLAR JUNCTION TRANSISTOR
	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-identified 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.	
	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
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 NAM	ME OF INVENTOR  Qizhi Liu  Date: 8/22/2019
Signature:	Onton

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: 050169 FRAME: 0199** 

GF Ref. No.: LBUR009-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	SELF-ALIGNED BASE AND EMITTER FOR A BIPOLAR JUNCTION TRANSISTOR
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
The above-identi	fied application was made or authorized to be made by me.
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowl fine or imprisonn	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by nent of not more than five (5) years, or both.
	and understand the contents of the application and am aware of the duty to disclose to the US Patent and e all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
hereby sell, assig Grand Cayman Is the invention list any foreign coun extensions therece and Applications including but not proceedings as n	d valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I m, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to ed above, together with the Application, any and all Patents that may issue in the United States and/or acties, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or of that may be issued or granted, and all right, title and interest to the inventions contained in said Patents is, for the United States and all foreign countries, and all the rights and privileges relating thereto a limited to the priority rights arising from said Applications, the right to recover and take all such any be necessary for the recovery of damages or otherwise in respect of past, present and future determined the right to apply for, take and maintain patents on said inventions.
	If this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ss remain in full force and effect.
LEGAL NAME Inventor: Y Signature:	OF INVENTOR Date: 08/22/2019  Under Date: 08/22/2019

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.

GF Ref. No.: LBUR009-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	SELF-ALIGNED BASE AND EMITTER FOR A BIPOLAR JUNCTION TRANSISTOR
	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.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by onment of not more than five (5) years, or both.
I have review Trademark O	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
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.	
	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
LEGAL NAM Inventor: Signature:	John J. Pekarik  Date: 8/23/2019
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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

**RECORDED: 08/26/2019** 

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