#### 05/12/2017 504364587

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4411279

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
STEVEN BENTLEY	05/11/2017
PUNEET HARISCHANDRA SUVARNA	05/11/2017
JULIEN FROUGIER	05/11/2017
BARTLOMIEJ JAN PAWLAK	05/12/2017

### **RECEIVING PARTY DATA**

Name:	GLOBALFOUNDRIES INC.	
Street Address:	treet Address: P.O. 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:	15593651

#### **CORRESPONDENCE DATA**

Fax Number: (410)630-1656

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: 410-705-6401

Email: mcloughlin@gibbiplaw.com

**Correspondent Name:** GIBB & RILEY, LLC 844 WEST STREET Address Line 1:

Address Line 2: SUITE 200

Address Line 4: ANNAPOLIS, MARYLAND 21401

ATTORNEY DOCKET NUMBER:	JALB038-US-NP	
NAME OF SUBMITTER:	FREDERICK W. GIBB	
SIGNATURE:	/FREDERICK W. GIBB, III/	
DATE SIGNED:	05/12/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

## **Total Attachments: 4**

source=JALB038-US-NP\_ASSIGNMENT-DECLARATION\_05-12-2017#page1.tif source=JALB038-US-NP\_ASSIGNMENT-DECLARATION\_05-12-2017#page2.tif source=JALB038-US-NP\_ASSIGNMENT-DECLARATION\_05-12-2017#page3.tif source=JALB038-US-NP\_ASSIGNMENT-DECLARATION\_05-12-2017#page4.tif

GF Ref. No.: JALB038-US-NP

Title of Invention	VERTICAL FET WITH SELF-ALIGNED SOURCE/DRAIN REGIONS AND GATE LENGTH BASED ON CHANNEL EPITAXIAL GROWTH PROCESS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	A ST A ST ASSESSMENT OF THE STANDARD OF THE ST ASSESSMENT OF THE STANDARD OF THE
	United States application or PCT international application number filed on
he above-ide	ntified application was made or authorized to be made by me.
believe that I	ant the original inventor or an original joint inventor of a claimed invention in the application.
hereby ackne ne or imprise	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by omment of not more than five (5) years, or both.
have reviewe rademark Of	d and understand the contents of the application and am aware of the duty to disclose to the US Patent and fice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
reeby sell, asserand Cayman e invention ling foreign coutensions there dependently and the color of the color	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 House, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to sted above, together with the Application, any and all Patents that may issue in the United States and/or antries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or cof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents as, for the United States and all foreign countries, and all the rights and privileges relating thereto of limited to the priority rights arising from said Applications, the right to recover and take all such 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.
any portion all neverthel	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
GAL NAME	OF INVENTOR
Inventor: S	Steven Bentley Date: 5/1/17

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GF Ref. No.: JALB038-US-NP

Title of Invention	VERTICAL FET WITH SELF-ALIGNED SOURCE/DRAIN REGIONS AND GATE LENGTH BASED ON CHANNEL EPITAXIAL GROWTH PROCESS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application numberfiled 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.
I hereby ackno	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 reviewe Trademark Ofi	d and understand the contents of the application and am aware of the duty to disclose to the US Patent and fice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
Grand Cayman the invention filmy foreign countries there is a countries there is a countries the countries as a concept of the countries are a concept of the	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 House, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to sted above, together with the Application, any and all Patents that may issue in the United States and/or antries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or sof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents as, for the United States and all foreign countries, and all the rights and privileges relating thereto at limited to the priority rights arising from said Applications, the right to recover and take all such 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.
f any portion o hall neverthel	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
EGAL NAME	OF INVENTOR
Inventor; P	uneet Harischandra Suvarna Date: 1 - May - 7ef
	Anyle -

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GF Ref. No.: JALB038-US-NP

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1,76) VERTICAL FET WITH SELF-ALIGNED SOURCE/DRAIN REGIONS AND GATE Title of LENGTH BASED ON CHANNEL EPITAXIAL GROWTH PROCESS Invention DECLARATION As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: United States application or PCT infernational 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, 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 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 NAME OF INVENTOR Inventor: Julien Frougier 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.

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GF Ref. No.: JAUB038-US-NP

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) VERTICAL FET WITH SELF-ALIGNED SOURCE/DRAIN REGIONS AND GATE Title of LENGTH BASED ON CHANNEL EPITAXIAL GROWTH PROCESS Invention DECLARATION As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: 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. 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 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 NAME OF INVENTOR Inventor: Burtloggief Ian Pawlak Signature: C Note: An application data sheet (PTO/SB/14 or equivalent), including parning the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

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RECORDED: 05/12/2017