PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3914807

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROAKI NIIMI	06/08/2016
KWAN-YONG LIM	06/13/2016
STEVEN JOHN BENTLEY	06/08/2016
DANIEL CHANEMOUGAME	06/08/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15180422

CORRESPONDENCE DATA

Fax Number: (518)452-5579

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: 518 452 5600

Email: EKS@HRFMLAW.COM

Correspondent Name: HESLIN ROTHENBERG FARLEY & MESITI/ GLOBA

Address Line 1: 5 COLUMBIA CIRCLE

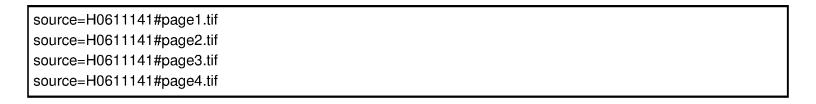
Address Line 4: ALBANY, NEW YORK 12203

ATTORNEY DOCKET NUMBER:	3718.326/HALB082
NAME OF SUBMITTER:	DAVID A. PASCARELLA
SIGNATURE:	/David A. Pascarella/
DATE SIGNED:	06/13/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 4

PATENT REEL: 038896 FRAME: 0374

503868158



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	FORMATION OF BOTTOM JUNCTION IN VERTICAL FET DEVICES
As the below	DECLARATION 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-ider	atified 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 acknown fine or imprisor	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by ment 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 ce 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 shall neverthel	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
	OF INVENTOR Hiroaki NIIMI Date: 06/08/2016
Note: An applicat	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

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	ASSIGNMENT
hereby sell, as Grand Cayman the invention I any foreign co- extensions the and Application including but a proceedings as infringement,	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I ssign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, In KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to listed above, together with the Application, any and all Patents that may issue in the United States and/or puntries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or present that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ons, 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 smay 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.
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LEGAL NAM	IE OF INVENTOR
Inventor:	Kwan-Yong LIM Date: $0/13/20/6$
Signature:	-Im / Erry
Note: An applic	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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hereby sell, assi Grand Cayman the invention lis any foreign cour extensions there and Application including but no proceedings as a infringement, ar	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I gn, 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 intries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or not 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.
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snaii nevertnei	ess remain in fuit torce and enece.
LEGAL NAME Inventor: Signature:	OF INVENTOR Steven John BENTLEY Date: 4816
Note: An applicat	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

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	OF INVENTOR Daniel CHANEMOUGAME Date: (/
Signature:	
	tion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 038896 FRAME: 0379

RECORDED: 06/13/2016