11/02/2017 504624379

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4671097

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN M. SAFRAN	11/28/2016
JOCHONIA N. NXUMALO	11/28/2016
JOYCE C. LIU	11/30/2016
SAMI ROSENBLATT	11/30/2016
CHANDRASEKHARAN KOTHANDARAMAN	12/01/2016

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:	15801501

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: achernavtseva@rmsclaw.com ANDREW M. CALDERON Correspondent Name:

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:	11/02/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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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	THROUGH-SILICON VIA WITH IMPROVED SUBSTRATE CONTACT FOR REDUCED THROUGH-SILICON VIA (TSV) CAPACITANCE VARIABILITY	
	DECLARATION	
As the below	named inventor, I hereby declare that:	
This declaration is directed to:	on The attached application, or	
	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	I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby ackno fine or impriso	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by connent 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.		
and the g	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 NAME OF INVENTOR		
Inventor:	John M. SAFRAN Date: // / do // do	
Signature:	J. 2.911. A. 4	
	estion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. af 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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ASSIGNMENT			
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LEGAL NAME OF INVENTOR			
Inventor:	Jochonia N. NXUMALO Date: November 28, 2016		
Signature:	Manniello -		
Note: An applic	ration data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, al form for each additional inventor.		

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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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9 2. 4	ASSIGNMENT	
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LEGAL NAME OF INVENTOR		
Inventor:		
Signature: Signature:		
Note: An appli	ration data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, all form for each additional inventor.	

COMBINED DECLARATION and ASSIGNMENT (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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LEGAL NAME OF INVENTOR		
Inventor	Sami ROSENBLATT Date: 11/30/2016	
Signature: PLQ		
Note: An applic	ation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Il 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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LEGAL NA	ME OF INVENTOR
Inventor	Chandrasekharan KOTHANDARAMAN Date: 12/6/2016
Signatur	e: Whisar
Note: An ap	plication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use

PATENT REEL: 044019 FRAME: 0869

RECORDED: 11/02/2017