#### 06/06/2017 504400657

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4447354

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
AKHILESH GAUTAM	02/16/2016
RANDY W. MANN	02/08/2016
WILLIAM MCMAHON	02/08/2016
YOANN MAMY RANDRIAMIHAJA	02/08/2016
YUNCHENG SONG	02/08/2016

### **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15615660

### **CORRESPONDENCE DATA**

504400657

Fax Number: (713)934-7011

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: 713-934-4097

nolan@wmalaw.com Email:

WILLIAMS MORGAN, P.C. **Correspondent Name:** 710 N. POST OAK ROAD Address Line 1:

Address Line 2: **SUITE 350** 

Address Line 4: HOUSTON, TEXAS 77024

ATTORNEY DOCKET NUMBER:	HU259D-CNT/4014.260696
NAME OF SUBMITTER:	RAYMUND F. EICH, PH.D.
SIGNATURE:	/Raymund F. Eich, Ph.D./
DATE SIGNED:	06/06/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 042620 FRAME: 0128

# **Total Attachments: 5**source=Combined\_DeclarationandAssignment#page1.tif source=Combined\_DeclarationandAssignment#page2.tif source=Combined\_DeclarationandAssignment#page3.tif source=Combined\_DeclarationandAssignment#page4.tif

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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	METHOD, APPARATUS, AND SYSTEM FOR GLOBAL HEALING OF WRITE-LIMITED DIE THROUGH BIAS TEMPERATURE INSTABILITY
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration X The attached application, or is directed to:	
	United States application or PCT international application number filed on
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.
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 NAM	ME OF INVENTOR
Inventor:	Akhilesh Gautam Date: 02/16/16
Signature:	<u>Abendero</u>
	ication data sheet (FTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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

Title of	METHOD, APPARATUS AND SYSTEM DOLL
Invention	METHOD, APPARATUS, AND SYSTEM FOR GLOBAL HEALING OF WRITE-LIMITED DIE THROUGH BIAS TEMPERATURE INSTABILITY
A STATE OF THE PROPERTY OF THE PARTY OF THE	
Ac the bala	DECLARATION
	named inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
	United States application or PCT international application numberfiled on
The above-idea	ntified 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.
fine or imprisor	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by nment of not more than five (5) years, or both.
I have reviewed Trademark Off	d 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.
For good o	ASSIGNMENT
Grand Cayman the invention lis any foreign cou extensions there and Application including but no proceedings as a infringement, an	nd valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged. I ign, 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 articles, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or coff 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 be 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.
If any portion c shall neverthele	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
**************************************	
LEGAL NAME	
	Date: 2/8/2016
Signature:	Gangleman
Note: An applicati Use an additional f	on data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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	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 NA	ME OF INVENTOR
Inventor:	William McMahon Date: 3/2014
Signature:	
	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  and form for each additional inventor.

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	on of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof neless remain in full force and effect.
	ME OF INVENTOR  Young Many Randriamihaja Date: 02-08-/6
Inventor: Signature	Young Many Randriaminaja Date:  Young Namy Randriaminaja
Note: An app	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. mal form for each additional inventor.

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LEGAL NA	ME OF INVENTOR
Inventor	Yuncheng Song Date: 02/08/201869
Signature	· Lund
Note: An app Use an addition	lication data sheet (FTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, and farm for each additional inventor.

PATENT REEL: 042620 FRAME: 0134

RECORDED: 06/06/2017