PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5718589

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT BEASOR	09/12/2019
HAITING WANG	09/09/2019
SIPENG GU	09/09/2019
JIEHUI SHU	09/10/2019

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:	16570575

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:	LMLT110-US-NP
NAME OF SUBMITTER:	WILLIAM R. ALLEN
SIGNATURE:	/William R. Allen/
DATE SIGNED:	09/13/2019
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Total Attachments: 4

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PATENT REEL: 050372 FRAME: 0581

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	METAL RESISTORS WITH A NON-PLANAR CONFIGURATION
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	17. N
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.
	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.
	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 teless remain in full force and effect.
LEGAL NAM Inventor: Signature:	Scott Beasor Date: 9/17/2019
	ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 050372 FRAME: 0582

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	METAL RESISTORS WITH A NON-PLANAR CONFIGURATION
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration	on The attached application, or
is uncotou 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.
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I have review Trademark O	red 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
hereby sell, a Grand Caymon the invention any foreign of extensions the and Applicate including but proceedings a 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, an 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 ountries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or ereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ions, 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 as 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.
	on of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof neless remain in full force and effect.
·	
LEGAL NAI	ME OF INVENTOR
Inventor:	Haiting Wang Date: 4 4 14
Signature	Haitor
Note: An app	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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.

REEL: 050372 FRAME: 0583

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	METAL RESISTORS WITH A NON-PLANAR CONFIGURATION
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As the below	named inventor, I hereby declare that:
This declarati	
	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.
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.
	ed 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
hereby sell, ass Grand Caymar the invention li any foreign con extensions ther and Applicatio including but in proceedings as	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, a KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to isted above, together with the Application, any and all Patents that may issue in the United States and/or untries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or reof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and, 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 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 shall neverthe	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.
	E OF INVENTOR
Inventor: Signature:	Sipeng Gu Date: 09/09/2019
<u>-</u>	
Vote: An applica	tion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this farm

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.

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	METAL RESISTORS WITH A NON-PLANAR CONFIGURATION
As the below	DECLARATION named inventor, I hereby declare that:
This declarati is directed to:	
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 ackn fine or impris	towledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by sonment of not more than five (5) years, or both.
I have review Trademark C	yed and understand the contents of the application and am aware of the duty to disclose to the US Patent and office all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
hereby sell, a Grand Caym the invention any foreign of extensions the and Applicate including but proceedings infringement	I and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I issign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, an KYI-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 countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or ereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ions, for the United States and all foreign countries, and all the rights and privileges relating thereto that interest to the priority rights arising from said Applications, the right to recover and take all such as 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. On of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof
shall nevert	beless remain in full force and effect.
LEGAL NA Inventor: Signature	ME OF INVENTOR Jiehui Shu Jak 1948
Note: An app	Dication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT

REEL: 050372 FRAME: 0585