505270915 01/09/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5317687

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUPING REN	12/21/2018
HAIGOU HUANG	12/21/2018
RAVI PRAKASH SRIVASTAVA	01/09/2019
ZHIGUO SUN	12/21/2018
QIANG FANG	12/21/2018
CHENG XU	12/21/2018
GUOXIANG NING	12/21/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16244071

CORRESPONDENCE DATA

Fax Number:

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: 518-305-9166

Email: ippg.prosecution@globalfoundries.com

Correspondent Name: GLOBALFOUNDRIES, INC.
Address Line 1: SANTA CLARA GATEWAY
Address Line 2: 2600 GREAT AMERICA WAY

Address Line 4: SANTA CLARA, CALIFORNIA 95054

ATTORNEY DOCKET NUMBER:	KALB102-US-NP
NAME OF SUBMITTER:	HUNTER AUYANG
SIGNATURE:	/Hunter Auyang/
DATE SIGNED:	01/09/2019

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 7

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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	CHAMFERLESS INTERCONNECT VIAS OF SEMICONDUCTOR DEVICES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	on The attached application, or
is anotton to.	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 acknowing fine or imprise	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by comment of not more than five (5) years, or both.
I have reviewe Trademark Of	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, as Grand Cayma, the invention I any foreign co- extensions the and Application including but a 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 KYI-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 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 a 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.
	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof
onan neverun	eless remain in full force and effect.
LEGAL NAM Inventor: Signature:	E OF INVENTOR REN, YUPING Date: Vec / 21 / 2018
Note: An applic Use an addition:	ation data sheet (PTO/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)

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As the below	named inventor, I hereby declare that:
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I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
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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 NAM Inventor: Signature:	HUANG, HAIGOU Date: Dec - 21 - 2018
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Title of	CHAMFERLESS INTERCONNECT VIAS OF SEMICONDUCTOR DEVICES	
Invention		
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If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.		
Inventor:	ME OF INVENTOR SRIVASTAVA, RAVI PRAKASH Date: 01/09/2019	
Signature	2 Linnas lava	
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LEGAL NAM Inventor: Signature:	Date: 12/21/2018
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SHAII HEVERTI	eless Temain in full force and effect.	
LEGAL NAM	TE OF INVENTOR FANC OLANG Date: 2-2 -20 8	
Inventor:	FANG, QIANG Date: (2-21-2-10)	
Signature:		
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LEGAL NAM Inventor:	IE OF INVENTOR XU, CHENG Date: Dec. 2/ 2018
Signature:	- X. C.
Note: An appli	cation 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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LEGAL NAM	ME OF INVENTOR
Inventor:	NING, GUOXIANG Date: Dec. 21 2018
Signature:	- Grox: any
Note: An appli	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 047946 FRAME: 0766

RECORDED: 01/09/2019

Use an additional form for each additional inventor.