### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3292178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HONG YU	10/30/2014
BIAO ZUO	11/04/2014
JIN PING LIU	11/30/2014
HUANG LIU	10/30/2014

#### **RECEIVING PARTY DATA**

Name:	GLOBALFOUNDRIES Inc.	
Street Address:	Maples Corporate Services Limited	
Internal Address:	PO Box 309, Ugland House	
City:	Grand Cayman	
State/Country:	CAYMAN ISLANDS	
Postal Code:	KY1-1104	

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

Property Type	Number
Application Number:	14675880

#### **CORRESPONDENCE DATA**

**Fax Number:** (713)434-6671

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:** 7134346677

**Email:** mpaul@amersoniplaw.com

Correspondent Name: J. MIKE AMERSON

Address Line 1: 2500 FONDREN ROAD, SUITE 220

Address Line 4: HOUSTON, TEXAS 77063

ATTORNEY DOCKET NUMBER:	2162.251000/GU393
NAME OF SUBMITTER:	J. MIKE AMERSON
SIGNATURE:	/J. Mike Amerson/
DATE SIGNED:	04/01/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
T	-

Total Attachments: 4

PATENT REEL: 035308 FRAME: 0029

503245560



## 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 FOR FORMING AIR GAP STRUCTURE USING CARBON-CONTAINING SPACER	
	DECLARATION	
As the below	named inventor, I hereby declare that:	
This declarati	on	
	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.	
	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 fisce all information known to me to be material to patentability as defined in 37 CFR § 1.56.	
	A CONTRACTOR TO	
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 eless remain in full force and effect.	
LEGAL NAN	IE OF INVENTOR	
Inventor:	HONG YU Date: /0/30/20/4	
Signature:		
	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Title of Invention			ORMING AIR GAP ING CARBON-CONTAINING
	DECI	ARATION	
As the below named inve	entor, I hereby declare th	at:	
This declaration is directed to:	X	,	The attached application, or
		[ ]	United States application or PCT international application numberfiled on
The above-identified app	lication was made or aut	horized to be made by	me.
I believe that I am the or	iginal inventor or an ori	ginal joint inventor of a	ı claimed invention in the
U.S.C. 1001 by fine or in I have reviewed and unde	nprisonment of not mor erstand the contents of the nark Office all informat	e than five (5) years, o be application and am a	ration is punishable under 18 r both.  ware of the duty to disclose to material to patentability as
		GNMENT	
acknowledged, I hereby see PO Box 309, Ugland House my entire right, title and in and all Patents that may issued or granted, and all a Applications, for the Unite thereto including but not I and take all such proceeding past, present and future infinventions.	consideration, the receiptl, assign, transfer, to GI, assign, transfer, to GI, se, Grand Cayman KY1-nterest in and to the invesue in the United States ontinuations, continuationight, title and interest to a States and all foreign imited to the priority rights as may be necessary fringement, and the right mbined Declaration or	ot, sufficiency and adec LOBALFOUNDRIES I 1104 its successors and ntion listed above, tog and/or any foreign coun- in-parts, divisionals the inventions contain countries, and all the ri- hts arising from said A for the recovery of dam to apply for, take and Assignment is held u	ights and privileges relating pplications, the right to recover pages or otherwise in respect of
***************************************	***************************************		
LEGAL NAME OF INV Inventor:	BIAO ZUO	Date : 11/4/14	
	Signature:	Ĩ	
	heet (PTO/SB/14 or equiva in additional form for each		he entire inventive entity, must

# 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 FOR FORMING AIR GAP STRUCTURE USING CARBON-CONTAINING SPACER
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	on The attached application, or
	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.
	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.
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
hereby sell, as Grand Cayma the invention any foreign co extensions the and Application including but proceedings a	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, 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 suntries, 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 and 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.
	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
LEGAL NAM	E OF INVENTOR
Inventor:	JIN PING LIU Date: ///3 6// /
Signature	
	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. at 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	METHOD FOR FORMING AIR GAP STRUCTURE USING CARBON-CONTAINING SPACER
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	Dr. XI
	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.
	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.
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.	
Inventor:	ME OF INVENTOR  HUANG LIU  Date: /3/ うゃ/ 2ゃ/ケー
Signature:	
	ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. tal form for each additional inventor.

PATENT REEL: 035308 FRAME: 0034

**RECORDED: 04/01/2015**