503631286 12/31/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3677916

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAJ VERMA PURAKH	12/13/2015
SHAOQIANG ZHANG	12/14/2015
RUI TZE TOH	12/14/2015

RECEIVING PARTY DATA

Name:	GLOBALFOUNDRIES SINGAPORE PTE. LTD.
Street Address:	60 WOODLANDS INDUSTRIAL PARK D STREET 2
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	738406

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14985607

CORRESPONDENCE DATA

Fax Number: (480)385-5061

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: 480-385-5060

Email: docketing@ifllaw.com

Correspondent Name: INGRASSIA FISHER & LORENZ, P.C. (GF)

Address Line 1: 7010 E. COCHISE RD.

Address Line 4: SCOTTSDALE, ARIZONA 85253

ATTORNEY DOCKET NUMBER:	126.0094 (HSG016)
NAME OF SUBMITTER:	MARK D. SWANSON
SIGNATURE:	/Mark D. Swanson/
DATE SIGNED:	12/31/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 503631286 REEL: 037389 FRAME: 0184

GF SG Ref. No.: HSG016

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	INTEGRATED CIRCUITS WITH GAPS AND METHODS FOR PRODUCING THE SAME		
	DECLARATION		
As the below	named inventor, I hereby declare that:		
This declaration			
	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 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 Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapore 738406 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:	AE OF INVENTOR Raj Verma Purakh Date: 13/12/2015		

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.

PATENT

REEL: 037389 FRAME: 0185

GF SG Ref. No.: HSG016

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	INTEGRATED CIRCUITS WITH GAPS AND METHODS FOR PRODUCING THE SAME
	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 numberfiled on
The above-ide	ntified application was made or authorized to be made by me.
I believe that	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 imment 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 For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapore 738406 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-inparts, 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: Signature:	Shaoqiang Zhang Date: 14/12/2015 Zation 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.

PATENT

GF SG Ref. No.: HSG016

PATENT

REEL: 037389 FRAME: 0187

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	INTEGRATED CIRCUITS WITH GAPS AND METHODS FOR PRODUCING THE SAME
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration is directed to:	(V_{ij})
	United States application or PCT international application numberfiled on
The above-ic	lentified 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.
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by somment of not more than five (5) years, or both.
	ved 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
sell, assign, Industrial Pa interest in as United State parts, divisio contained in privileges re recover and	I valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby transfer, to GLOBALPOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands rk D Street 2, Singapore 738406 its successors and assigns, absolutely and forever, my entire right, title and add to the invention listed above, together with the Application, any and all Patents that may issue in the sand/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-insuals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions said Patents and Applications, for the United States and all foreign countries, and all the rights and lating thereto including but not limited to the priority rights arising from said Applications, the right to take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, inture infringement, 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 heless remain in full force and effect.
LEGAL NA	ME OF INVENTOR
Inventor:	Rui fize Toh Date: 14/12/2015
Signature	W. Landbyne francis
Nate: An ann	Region data sheet (PTO/SR/14 or equivalent), including naming the entire inventive entiry must arramnany this form

Use an additional form for each additional inventor.

RECORDED: 12/31/2015