## 503949770 08/08/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3996426

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
PING-CHUAN WANG	08/01/2016
WAI-KIN LI	08/02/2016
CHENGWEN PEI	08/01/2016

## **RECEIVING PARTY DATA**

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

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15230632

## CORRESPONDENCE DATA

**Fax Number:** (516)742-4366

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:** (516) 742-4343

**Email:** GLOBALFOUNDRIESPAIRENotify@ssmp.com **Correspondent Name:** SCULLY, SCOTT, MURPHY & PRESSER, P.C.

Address Line 1: 400 GARDEN CITY PLAZA, SUITE 300 Address Line 4: GARDEN CITY, NEW YORK 11530

ATTORNEY DOCKET NUMBER:	2683/2489 33914
NAME OF SUBMITTER:	FRANK S. DIGIGLIO
SIGNATURE:	/Frank S. DiGiglio/
DATE SIGNED:	08/08/2016

## **Total Attachments: 3**

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PATENT 503949770 REEL: 039364 FRAME: 0274

GF Ref. No.: FIS920150107US1 (32731)

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	ON-CHIP FINFET STRUCTURES TO IMPLEMENT PHYSICAL UNCLONABLE FUNCTION FOR SECURITY APPLICATION
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration	
	United States application or PCT international application number filed on
The above-ide	entified application was made or authorized to be made by me.
1 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
hereby sell, as Grand Cayma interest in and United States parts, division contained in s privileges rela recover and ta	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, in, Cayman Islands KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and I to the invention listed above, together with the Application, any and all Patents that may issue in the and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-inals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions aid Patents and Applications, for the United States and all foreign countries, and all the rights and iting thereto including but not limited to the priority rights arising from said Applications, the right to ake all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, iture 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	ME OF INVENTOR
Inventor:	Ping-Chuan WANG Date: 8/1/2016
Signature:	B-Cu V
	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form all form for each additional inventor.

PATENT REEL: 039364 FRAME: 0275 GF Ref. No.: FIS920150107US1 (32731)

	NED DECLARATION and	
1 (	ATION USING ANAPPLICATION SECURITY APPLICATION	RES TO IMPLEMENT PHYSICAL UNCLONABLE FUNCTION FOR
Invention	SILCORT T ALTERCATION	
		DECLARATION
As the below	named inventor, I hereby declare	that.
This declaration   The attached application, or is directed to		
	United States appl	ication or PCT international application numberfiled on
The above-id	ntified application was made or a	authorized to be made by me
I believe that	am the original inventor or an o	riginal joint inventor of a claimed invention in the application
	wledge that any willful false sta nment of not more than five (5)	tement made in this declaration is punishable under 18 U.S.C. 1001 by years, or both.
I have review Trademark O	d and understand the contents of fice all information known to me	The application and am aware of the duty to disclose to the US Patent and e to be material to patentability as defined in 37 CFR § 1 56
		ASSIGNMENT
hereby sell, as Grand Cayma interest in and United States parts, division contained in s privileges rela- recover and ta-	sign, transfer, to GLOBALFOUT t, Cayman Islands KY1-1104 its to the invention listed above, tog and/or any foreign countries, and its or extensions thereof that may ad Patents and Applications, for mg thereto including but not lim to all such proceedings as may b	eccipt, sufficiency and adequacy of which are hereby acknowledged, I NDRIES Inc. having a business address of PO Box 309, Ugland House, successors and assigns, absolutely and forever, my entire right, title and gether with the Application, any and all Patents that may issue in the lany reissues, re-examinations, renewals, continuations, continuation-invite instead or granted, and all right, title and interest to the inventions the United States and all foreign countries, and all the rights and little to the priority rights arising from said Applications, the right to be necessary for the recovery of damages or otherwise in respect of past, o apply for, take and maintain patents on said inventions.
	of this Combined Declaration less remain in full force and ef	or Assignment is held unenforceable, then remaining portions hereof feet.
LEGAL NAM	E OF INVENTOR	
inventor.	Wai-Kin LI	Date: 08'02-2016
Signature.	-Chi	
	ation data sheet (PTO/SB/14 or equi	ivalent), including numing the entire inventive entity, must accompany this form.

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GF Ref. No.: FIS920150107US1 -

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	ON-CHIP FINFET STRUCTURES TO IMPLEMENT PHYSICAL UNCLONABLE FUNCTION FOR SECURITY APPLICATION
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration is directed to:	[7() the addenied approaction, or
	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 fine or impriso	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.
hereby sell, ass Grand Cayman interest in and t United States a parts, divisiona contained in sai privileges relati recover and tak present and futu If any portion	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, n, Cayman Islands KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and to the invention listed above, together with the Application, any and all Patents that may issue in the and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-als or extensions thereof that may be issued or granted, and all right, title and interest to the inventions and Patents and Applications, for the United States and all foreign countries, and all the rights and ting thereto including but not limited to the priority rights arising from said Applications, the right to ke all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, ture infringement, and the right to apply for, take and maintain patents on said inventions.  In of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
Inventor: <u>C</u> Signature: _	Chengwen PEI  Date: 08/01/20(6)  Attion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 039364 FRAME: 0277

**RECORDED: 08/08/2016**