PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5912874

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY K. STAMPER	01/10/2020
STEVEN M. SHANK	01/10/2020
JOHN J. PEKARIK	01/13/2020
VIBHOR JAIN	01/10/2020
JOHN J. ELLIS-MONAGHAN	01/13/2020

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:	16743584

CORRESPONDENCE DATA

Fax Number: (703)848-2981

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.

Email: achernavtseva@rmsclaw.com

Correspondent Name: ANDREW M. CALDERON

Address Line 1: 7918 JONES BRANCH DRIVE, SUITE 500

Address Line 4: MCLEAN, VIRGINIA 22102

NAME OF SUBMITTER:	ANDREW M. CALDERON
SIGNATURE:	/Andrew M. Calderon/
DATE SIGNED:	01/15/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

source=LBUR028-US-NP_Assign-Dec#page1.tif

PATENT REEL: 051525 FRAME: 0311

505866038

source=LBUR028-US-NP_Assign-Dec#page2.tif
source=LBUR028-US-NP_Assign-Dec#page3.tif
source=LBUR028-US-NP_Assign-Dec#page4.tif
source=LBUR028-US-NP_Assign-Dec#page5.tif

COMBINE	D DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)
TEN A D	WAFER WITH CRYSTALLINE SILICON AND TRAP RICH POLYSILICON
Title of Invention	LAYER
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	on The attached application, 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	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ent 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 HOUSE, GRA entire right, tit may issue in the continuation-inventions cor and privileges recover and ta	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 AND CAYMAN, CAYMAN ISLANDS KY1-1104 its successors and assigns, absolutely and forever, my the and interest in and to the invention listed above, together with the Application, any and all Patents that the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, n-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the nationed in said Patents and Applications, for the United States and all foreign countries, and all the rights relating 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.
If any portion shall neverthe	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
LEGAL NAM	IE OF INVENTOR
Inventor:	Anthony K. STAMPER Date: 1/10/2020
Signature:	Cn/c 22
Note: An applie	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

COMBINE	ED DECLAR	ATION a USIN	nd ASSIGNMENT (: G AN APPLICATIO	37 CFR 1.63) N DATA SHI	FOR UT	TILITY O	R DESIG	GN APPLICATION
Title of Invention	WAFER LAYER	WITH	CRYSTALLINE	SILICON	AND	TRAP	RICH	POLYSILICON
			DECL	ARATION				
As the below	named inven	tor, I herel	by declare that:					
This declarati is directed to:	on 🔀	The attac	ched application, or					•
		United S	tates application or PC	T internationa	l applica	tion numb	er	filed on
The above-ide	entified applie	cation was	made or authorized to	be made by m	e.			
I believe that	I am the origi	nal invent	or or an original joint i	nventor of a cl	aimed in	vention in	the appli	cation.
I hereby ackno	owledge that ent of not mo	any willful re than five	false statement made e (5) years, or both.	in this declara	tion is pu	ınishable ı	under 18	U.S.C. 1001 by fine
I have reviewe Trademark Of	ed and unders fice all inform	tand the conation kno	ontents of the application with to me to be material	on and am awa al to patentabil	are of the ity as de	e duty to d fined in 3	isclose to 7 CFR § 1	the US Patent and
			ASSIG	NMENT			,	
HOUSE, GRA entire right, tit may issue in the continuation-in inventions con and privileges recover and tal	sign, transfer. ND CAYMA le and interes le United Sta laparts, divisi tained in said relating there a all such pr	to GLOB AN, CAYM t in and to tes and/or onals or ex Patents an to including occedings	ion, the receipt, suffici ALFOUNDRIES Inc. ALFOUNDRIES Inc. IAN ISLANDS KY1-the invention listed about any foreign countries, tensions thereof that rad Applications, for the group but not limited to the as may be necessary for eright to apply for, tages.	having a busing 104 its successove, together wand any reissum any be issued to United States e priority right or the recovery	ess addressors and with the alless, re-executes and alless arising	ess of PO assigns, a Application amination d, and all foreign co from said	BOX 309 absolutely in, any an s, renewal right, title untries, a Applicat erwise in	d, UGLAND and forever, my d all Patents that ls, continuations, and interest to the and all the rights ions, the right to
If any portion shall neverthe	of this Com less remain i	bined Dec in full forc	laration or Assignme ee and effect.	nt is held une	nforceal	ble, then 1	emainin	g portions hereof
LEGAL NAMI	E OF INVEN	TOR					<u></u>	
Inventor:	Steven M. SI			Dat	e:	1/10	170	
Signature:	Mu	in m	. Manl			•	•	
Note: An applica Use an additiona	ition data shee I form for each	t (PTO/SB/	14 or equivalent), includi inventor.	ng naming the e	ntire inve	ntive entity	, must acc	ompany this form.

			Ġ		

GF Ref. No.: LBUR028-US-NP

Title of nvention	WAFER LAYER	WITH	CRYSTALLINE	SILICON	AND	TRAP	RICH	POLYSILICON
			DECI	ARATION	,			
As the below	named inver	tor, I here	by declare that:					
This declarat s directed to	2000 EV / F	The atta	ched application, or					
s anceuu w		United 5	States application or F	CT internations	ıl applica	tion numl	per	filed on
The above-id	entified appli	cation was	made or authorized t	o be made by n	ne.			
believe that	I am the orig	inal inven	or or an original join	inventor of a c	laimed ís	vention i	n the appl	ication.
hereby ackn r imprisonn	owledge that ent of not mo	any willfu we than fiv	ul false statement mad ve (5) years, or both.	e in this declar	ation is p	unishable	under 18	U.S.C. 1001 by fine
have review Yrademark O	ed and under ffice all infor	stand the c mation kn	contents of the applications to me to be mate	ition and am aw rial to patentabi	are of th	e duty to s sfined in 3	disclose to 17 CFR §	o the US Patent and 1.56.
			ASSI	GNMENT				
ereby sell, a HOUSE, GR., after right, to nay issue in a continuation-aventions could privilege ecover and to	ssign, transfe AND CAYM itle and intere the United St in-parts, divi- ntained in sai s relating then ake all such p	r, to GLOI AN, CAY st in and to ates and/or sionals or o d Patents a eto includ roceeding:	tion, the receipt, suffi BALFOUNDRIES In MAN ISLANDS Ky or the invention listed any foreign countrie extensions thereof tha and Applications, for ing but not limited to s as may be necessary the right to apply for,	c. having a busi 1-1104 its succe above, together s, and any reisse t may be issued the United State the priority right for the recover	ness add essors an with the ues, re-er or grant es and all ots arisin y of dan	ress of PC d assigns, Applicati camination ed, and al foreign of g from sai ages or of	BOX 30 absoluted on, any an as, renewed right, title ountries, and d Applica therwise is	9, UGLAND y and forever, my nd all Patents that als, continuations, ic and interest to the and all the rights ations, the right to in respect of past,
			eclaration or Assigm rce and effect.	nent is held un	enforce	able, then	remaini	ag portions hercof

EGAL NAN	Æ OF INVE	NTOR				Í	I_{ϵ}	
Inventor: Signature;	John J. PER	ATOK /	<u></u>	D	ate:	1/1	3/5	2020
SWEETHE:	8 B 13	the second	Marine Same					

GF Ref. No.: LBUR028-US-NP

- C174701141	ED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLI USING AN APPLICATION DATA SHEET (37 CFR 1.76)	
Title of Invention	WAFER WITH CRYSTALLINE SILICON AND TRAP RICH POLYS LAYER	ILICON
200000000000000000000000000000000000000	DECLARATION	
As the below	w named inventor, I hereby declare that:	
This declarat	V /	
	United States application or PCT international application number files	i on
The above-ic	dentified application was made or authorized to be made by me.	
I believe that	at I am the original inventor or an original joint inventor of a claimed invention in the application.	
	cnowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 10 ment of not more than five (S) years, or both.	Ol by fine
	wed and understand the contents of the application and am aware of the duty to disclose to the US P Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.	atent and
	ASSIGNMENT	
hereby sell, a HOUSE, GR entire right, t may issue in continuation- inventions or and privilege recover and t	assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO BOX 309, UGLAN RAND CAYMAN, CAYMAN ISLANDS KY1-1104 its successors and assigns, absolutely and fore title and interest in and to the invention listed above, together with the Application, any and all Pate the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuin-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest in said Patents and Applications, for the United States and all foreign countries, and all the restriction including but not limited to the priority rights arising from said Applications, the take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of future infringement, and the right to apply for, take and maintain patents on said inventions.	ND ver, my nts that uations, rest to the rights right to
	ion of this Combined Declaration or Assignment is held unenforceable, then remaining portion theless remain in full force and effect.	s hereof
		-
LEGAL NAI	ME OF INVENTOR	
Inventor: Signature	TOTA	

Title of Invention	WAFER WITH CRYSTALLINE SILICON AND TRAP RICH POLYSILICON LAYER
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarat	V V **
:	United States application or PCT international application number filed on
The above-id	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 finement of not more than five (5) years, or both.
	wed 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 HOUSE, GR entire right, t may issue in continuation- inventions co and privilege recover and t	d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO BOX 309, UGLAND AND CAYMAN, CAYMAN ISLANDS KY1-1104 its successors and assigns, absolutely and forever, my citle and interest in and to the invention listed above, together with the Application, any and all Patents that the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the ontained in said Patents and Applications, for the United States and all foreign countries, and all the rights are relating 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, future 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:	John J. ELLIS-MONAGHAN Date: 1/13/2020
111 (011101)	

PATENT REEL: 051525 FRAME: 0317

RECORDED: 01/15/2020