#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3008846

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
STEVEN BENTLEY	08/20/2014
RICHARD A. FARRELL	08/20/2014
GERARD SCHMID	08/19/2014
AJEY POOVANNUMMOOTTIL JACOB	08/26/2014

#### **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:	14477096

#### **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:	2162.250400/EU965C
NAME OF SUBMITTER:	J. MIKE AMERSON
SIGNATURE:	/J. Mike Amerson/
DATE SIGNED:	09/04/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

source=Declaration\_and\_Assignment#page1.tif

502962248 REEL: 033668 FRAME: 0782

PATENT

source=Declaration\_and\_Assignment#page2.tif
source=Declaration\_and\_Assignment#page3.tif
source=Declaration\_and\_Assignment#page4.tif

As the below name This declaration is directed to:  The above-identific I believe that I am t I hereby acknowled fine or imprisonmen I have reviewed and Trademark Office a  For good and valuereby sell, assign, t	ed applic the originge that a	The attached United State sation was manning any willful fall	d applications application  de or author an origina	on, or on or PCT in orized to be n	ternational ap nade by me.	plication number		filed on
This declaration is directed to:  The above-identified believe that I am the above that I am the fine or imprisonment I have reviewed and frademark Office at the above the abov	ed applic the originge that a	The attached United State sation was manning any willful fall	d applications application  de or author an origina	on, or on or PCT in orized to be n	nade by me.	plication number		filed on
Is directed to:  The above-identified the believe that I am the second of the fine or imprisonment I have reviewed and I hademark Office at the for good and very second of the second o	he origi ge that : nt of not l unders	United State sation was ma nal inventor o	s application  de or author  r an origina	on or PCT in	nade by me.	plication number		filed on
I believe that I am to I hereby acknowled fine or imprisonment I have reviewed and I hademark Office a For good and vo	he origi ge that : nt of not l unders	ation was ma	de or autho	orized to be n	nade by me.	plication number	·	filed on
I believe that I am to I hereby acknowled fine or imprisonment have reviewed and frademark Office a For good and vo	he origi ge that : nt of not l unders	nal inventor o any willful fal	r an origin					
I hereby acknowled fine or imprisonment have reviewed and frademark Office at For good and vo	ge that : it of not l unders	any willful fal		al joint inver				
the or imprisonment have reviewed and trademark Office a For good and vi	t of not Lunders	any willful fal more than fiv			tor of a claim	ed invention in th	e applicatio	n.
For good and v	l unders Il inforn		se statemer © (5) years	nt made in th s, or both.	is declaration	is punishable und	der 18 U.S.C	. 1001 by
For good and vitereby sell, assign, t		tand the conte tation known	nts of the a to me to be	application a e material to	nd am aware o patentability a	of the duty to disc as defined in 37 C	lose to the UFR § 1.56.	IS Patent and
For good and vi iereby sell, assign, t		. i		ASSIGNMI				· ···· •
Frand Cayman KY1  the invention listed to my foreign countrie extensions thereof the and Applications, for ancluding but not lim roccedings as may infringement, and the	ransfer, -1104 i above, to s, and an at may r the Un nited to to	to GLOBALI ts successors a ogether with the ty reissues, re be issued or g ited States and the priority rig isary for the re	OUNDRII and assigns be Applicate -examinati ranted, and d all foreig this arising	IES Inc. having a specific tion, any and items, renewald all right, titter countries, a from said A damages or items.	ng a business and forever, not all Patents the state of all Patents the state of and interest and all the rig pplications, the therwise in restand all the right of the right of the restand all the right of the ri	address of PO Bo ny entire right, titl lat may issue in th ms, continuation-i to the inventions hts and privileges he right to recover	x 309, Ugla le and intere le United Sta in-parts, divi contained in relating the	nd House, st in and to ites and/or sionals or n said Patents reto
fany portion of thi	is Coml emain i	oined Declara n full force as	ction or As ad effect.	ssignment is	held unenfor	rceable, then ren	taining port	ions hereof
EGAL NAME OF	NVEN:	FOR		***************************************		***************************************		
Inventor: STEV	EN BEN	TLEY	••••		Date:	8/20/14	•••••	
Signature:	\B	The second secon		***************************************		•••••••••••••••••••••••••••••••••••••••		

Title of Invention	MULTIPLE DIRECTED SELF-ASSEMBLY MATERIAL MASK PATTERNING FOR FORMING VERTICAL NANOWIRES				
	DECLARATION				
As the below	As the below named inventor, I hereby declare that:				
This declarati	N N				
	United States application or PCT international application number filed on				
The above-identified 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 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.					
	E OF INVENTOR				
Inventor: Signature:	RICHARD A FARRELL Date: 08/20/2014				
	ration data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. al form for each additional inventor.				

Title of Invention	MULTIPLE DIRECTED SELF-ASSEMBLY MATERIAL MASK PATTERNING FOR FORMING VERTICAL NANOWIRES			
	DECLARATION			
As the below	named inventor, I hereby declare that:			
This declaration				
	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 I	am the original inventor or an original joint inventor of a claimed invention in the application.			
I hereby acknotine or imprisc	whedge 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.			
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.				
Forward	ASSIGNMENT			
Grand Cayman the invention is any foreign con extensions ther and Application including but n 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, IKY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to sted above, logether with the Application, any and all Patents that may issue in the United States and/or intries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or eof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ins, for the United States and all foreign countries, and all the rights and privileges relating thereto of limited to the priority rights arising from said Applications, the right to recover and take all such 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.			
lf any portion iball neverthel	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.			
LEGAL NAME	OFINVENTOR			
Inventor: (	TERARD SCHMID Date: 8/19/2014			
Signature:				
ote: An applica se an additional	tion data sheet (FTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, form for each additional inventor.			

Title of Invention	MULTIPLE DIRECTED SELF-ASSEMBLY MATERIAL MASK PATTERNING FOR FORMING VERTICAL NANOWIRES			
DECLARATION				
As the below named inventor, I hereby declare that:				
This declaration				
United States application or PCT international application numberfiled on				
The above-identified 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 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 NA Inventor: Signature	ME OF INVENTOR  AJEY POOVANNUMMOOTTIL JACOB  Date: 0826 204  FROM JULY 1			
Note: An app Use an addition	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. mal form for each additional inventor.			

PATENT REEL: 033668 FRAME: 0787

RECORDED: 09/04/2014