

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sean X. Lin</td> <td>02/22/2013</td> </tr> <tr> <td>Xunyuan Zhang</td> <td>02/25/2013</td> </tr> <tr> <td>Ming He</td> <td>02/26/2013</td> </tr> <tr> <td>Larry Zhao</td> <td>02/26/2013</td> </tr> <tr> <td>John Iacoponi</td> <td>02/26/2013</td> </tr> <tr> <td>Kunaljeet Tanwar</td> <td>02/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sean X. Lin	02/22/2013	Xunyuan Zhang	02/25/2013	Ming He	02/26/2013	Larry Zhao	02/26/2013	John Iacoponi	02/26/2013	Kunaljeet Tanwar	02/20/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>GLOBALFOUNDRIES Inc.</td> </tr> <tr> <td>Street Address:</td> <td>PO Box 309</td> </tr> <tr> <td>Internal Address:</td> <td>Ugland House</td> </tr> <tr> <td>City:</td> <td>Grand Cayman</td> </tr> <tr> <td>State/Country:</td> <td>CAYMAN ISLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>KY1-1104</td> </tr> </table>		Name:	GLOBALFOUNDRIES Inc.	Street Address:	PO Box 309	Internal Address:	Ugland House	City:	Grand Cayman	State/Country:	CAYMAN ISLANDS	Postal Code:	KY1-1104		
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CORRESPONDENCE DATA															
Fax Number: 5184525579 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 518 452 5600 Email: wfr@hrfmlaw.com Correspondent Name: Heslin Rothenberg Farley & Mesiti/ Globa Address Line 1: 5 Columbia Circle Address Line 4: Albany, NEW YORK 12203															
ATTORNEY DOCKET NUMBER:	3718.010/DU073														

NAME OF SUBMITTER:	Wayne F. Reinke
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 6 source=3718010_DU073_DEC_ASG_Lin#page1.tif source=3718010_DU073_DEC_ASG_Zhang#page1.tif source=3718010_DU073_DEC_ASG_He#page1.tif source=3718010_DU073_DEC_ASG_Zhao#page1.tif source=3718010_DU073_DEC_ASG_Iacoponi#page1.tif source=3718010_DU073_DEC_ASG_Tanwar#page1.tif	

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

ELECTROLESS FILL OF TRENCH IN SEMICONDUCTOR STRUCTURE

DECLARATION

As the below named inventor, I hereby declare that:

This declaration
is directed to:



The attached application, or



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

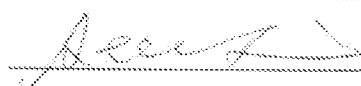
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Upland House, Grand Cayman KY1-1104 its successors and assigns, absolutely and forever, my entire 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 NAME OF INVENTOR

Inventor: Sean X. LIN

Date: 02/22/2013

Signature: 

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.

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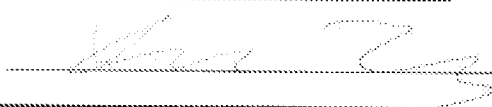
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LEGAL NAME OF INVENTOR

Inventor: Xunyuan ZHANG

Date: 02/25/2018

Signature: 

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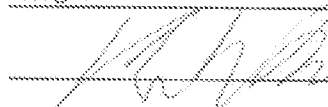
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LEGAL NAME OF INVENTOR

Inventor: Ming HE

Date: 02/26/13

Signature: 

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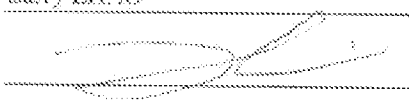
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LEGAL NAME OF INVENTOR

Inventor: Larry ZHAO

Date: 2/26/2013

Signature: 

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LEGAL NAME OF INVENTOR

Inventor: John JACOPONI

Date:

2/26/13

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LEGAL NAME OF INVENTOR

Inventor: Kunaljeet TANWAR

Date: 02/20/13

Signature: [Signature]

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RECORDED: 03/05/2013

REEL: 029928 FRAME: 0230