504585640 10/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4632352

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAITING WANG	10/05/2017
WEI ZHAO	10/05/2017
HUI ZANG	10/05/2017
HONG YU	10/05/2017
ZHENYU HU	10/05/2017
SCOTT BEASOR	10/05/2017
ERIK GEISS	10/05/2017
JEROME CIAVATTI	10/06/2017
JAE GON LEE	10/05/2017

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:	15728070

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/

PATENT 504585640 REEL: 043816 FRAME: 0212

DATE SIGNED:	10/09/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 9	
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source=JMLT275-US-NP_Fil	edAssignDec_10-09-17#page2.tif
source=JMLT275-US-NP_Fil	edAssignDec_10-09-17#page3.tif
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source=JMLT275-US-NP_Fil	edAssignDec_10-09-17#page9.tif

PATENT REEL: 043816 FRAME: 0213 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 Date: 10/5/17 Inventor: Haiting WANG 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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<u>`</u>	GF Ref. No.: JMLT275-US-NP ED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
	USING AN APPLICATION DATA SHEET (37 CFR 1.76)
	SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE
Title of Invention	OF THE LINE CUTS
шуенцон	
	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 acknoor imprisonme	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
HOUSE, GRA entire right, tit may issue in the continuation-in inventions con and privileges recover and tal	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 IND CAYMAN, CAYMAN ISLANDS KY1-1104 its successors and assigns, absolutely and forever, my le and interest in and to the invention listed above, together with the Application, any and all Patents that he United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, aparts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the tained 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 see 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	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.
I EGAT NAM	E OF INVENTOR

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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Inventor: Wei ZHAO

Signature:

PATENT REEL: 043816 FRAME: 0215

Date: 1015/2017

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(3/9)	GF Ref. No.: JMLT275-US-NP
COMBINE	ED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)
m*41e	SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE
Title of Invention	OF THE LINE CUTS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration is directed to:	
! !	United States application or PCT international application number filed on
	entified application was made or authorized to be made by me.
	I am the original inventor or an original joint inventor of a claimed invention in the application.
or imprisoning	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 ffice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
= .,	ASSIGNMENT
HOUSE, GRA entire right, titl may issue in th continuation-in inventions cont and privileges in recover and tak	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 le 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 trained 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.
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ECAL NAME	E OF INVENTOR

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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Inventor: Hui ZANG

Signature:

Date: ___(0/5/17

GF Ref. No.: JMLT275-US-NP

COMBINED	DECLADATION A COLORA FERM (OF CODIA COR DOD VIDE 100) OD DOUGN A DRIVER AND ACCUMENTATION.
COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)	
	SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE
Title of Invention	OF THE LINE CUTS
	DECLARATION
As the below na	med 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-ident	tified application was made or authorized to be made by me.
I believe that I a	am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknow or imprisonment	vledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t of not more than five (5) years, or both.
I have reviewed Trademark Offic	and understand the contents of the application and am aware of the duty to disclose to the US Patent and the 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, CAYMAN ISLANDS 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.	
	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
.,	
LEGAL NAME	OF INVENTOR
Inventor: H	long YU Date: (0 (5 / 17
Signature:	Jyyr -
Note: An applicat	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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LEGAL NAME OF INVENTOR

Inventor: Zhenyu HU

Signature:

Date: 10/5/17

GF Ref. No.: JMLT275-US-NP COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE Title of OF THE LINE CUTS Invention DECLARATION As the below named inventor, I hereby declare that: This declaration The attached application, or is directed to: 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, CAYMAN ISLANDS 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:

Scott BEASOR

Date

10(1/2017

Signature:

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7/9) GF Ref. No.: JMLT275-US-NP	
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 SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE OF THE LINE CUTS	
DECLARATION	
As the below named inventor, I hereby declare that:	
This declaration	
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The above-identified application was made or authorized to be made by me.	
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LEGAL NAME OF INVENTOR	
Inventor: Erik GEISS Date: 10/5/17	
Signature: Allei	
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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LEGAL NAME OF INVENTOR	
Inventor: Jenome CIAVATTI Date : 6 - OCT-207	
Signature: Note: An application data sheet (PTO/SE/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

PATENT REEL: 043816 FRAME: 0221

(9/9)	GF Ref. No.: JMLT275-US-NP
COMBINE	D DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)
Title of Invention	SCALED MEMORY STRUCTURES OR OTHER LOGIC DEVICES WITH MIDDLE OF THE LINE CUTS
	DECLARATION
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	ASSIGNMENT
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LEGAL NAI	ME OF INVENTOR
Inventor:	Jae Gon LEE Date: 0 (5 (2017
Signature	ohm
Note: An appl	ication 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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RECORDED: 10/09/2017

PATENT REEL: 043816 FRAME: 0222