

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4123448

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	IGOR ARSOVSKI	10/21/2016
	ROBERT M. HOULE	10/21/2016
	MICHAEL T. FRAGANO	10/21/2016
	AKHILESH PATIL	10/21/2016
	VAN D. BUTLER	10/25/2016
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:	15340579
CORRESPONDENCE DATA		
Fax Number:	(703)848-2981	
<i>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.</i>		
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:	11/01/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 5		
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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	TERNARY CONTENT ADDRESSABLE MEMORY (TCAM) FOR MULTI BIT MISS DETECT CIRCUIT
<p style="text-align: center;">DECLARATION</p> <p>As the below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> United States application or PCT international application number _____ filed on _____</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p> <p>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.</p> <p style="text-align: center;">ASSIGNMENT</p> <p>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.</p> <p>If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.</p>	
<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Igor ARSOVSKI</u> Date: <u>Oct 21, 2016</u></p> <p>Signature: <u><i>I Arsovski</i></u></p>	
<p>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.</p>	

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	TERNARY CONTENT ADDRESSABLE MEMORY (TCAM) FOR MULTI BIT MISS DETECT CIRCUIT
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DECLARATION

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☐ United States application or PCT international application number _____ filed on _____

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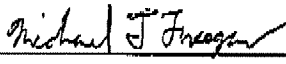
LEGAL NAME OF INVENTOR

Inventor: Robert M. HOULE Date: 10/21/2016

Signature: Robert M. Houle

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.

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	TERNARY CONTENT ADDRESSABLE MEMORY (TCAM) FOR MULTI BIT MISS DETECT CIRCUIT
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<p>LEGAL NAME OF INVENTOR</p> <p>Inventor: <u>Michael T. FRAGANO</u> Date: <u>10/21/2016</u></p> <p>Signature: <u></u></p>	
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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****TERNARY CONTENT ADDRESSABLE MEMORY (TCAM) FOR MULTI BIT MISS DETECT
CIRCUIT****DECLARATION**

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This declaration
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The attached application, or



United States application or PCT international application number _____ filed on

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LEGAL NAME OF INVENTOR

Inventor: Akhilesh PATIL

Date: 10/21/2016

Signature: *Akhilesh Patil*

PATENT**REEL: 040189 FRAME: 0639**

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LEGAL NAME OF INVENTOR

Inventor: Van D. BUTLER Date: October 25th, 2016

Signature: *Van D. Butler*

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.