504471309 07/25/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4518011

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ				
		Name	Execution Date		
SIYURANGA O. KOSWATTA			08/01/2016		
SUNGJAE LEE			08/18/2016		
LAN LUO			08/01/2016		
SCOTT K. SPRINGER			08/08/2016		
RICHARD A. WACHNIK			08/01/2016		
RECEIVING PARTY DA	ТА				
Name:	GLOB	ALFOUNDRIES INC.			
Street Address:	P.O. B	OX 309			
Internal Address:	UGLA	ND HOUSE			
City:	GRAN	D CAYMAN			
State/Country:	CAYM	AN ISLANDS			
Postal Code:	KY1-1	104			
PROPERTY NUMBERS	Total: 1				
Property Type		Number			
Application Number:		15658438			
	ΑΤΑ				
Fax Number:	a cont ti	(410)630-1656 o the e-mail address first; if that is (unsuccessful it will be sent		
		d; if that is unsuccessful, it will be s			
Phone:		410-705-6401			
Email:		baumann@gibbiplaw.com			
Correspondent Name:		GIBB & RILEY, LLC			
Address Line 1:		844 WEST STREET			
Address Line 2:		SUITE 200			
Address Line 4:		ANNAPOLIS, MARYLAND 21401			
ATTORNEY DOCKET NUMBER:		YOR920150653-US-DIV			
NAME OF SUBMITTER:		PAMELA M. RILEY	PAMELA M. RILEY		
SIGNATURE:		/Pamela M. Riley/			
DATE SIGNED:		07/25/2017			
		This document serves as an O	eath/Declaration (37 CFR 1.63).		
		1	PAIENI		

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	INTEGRATED CIRCUITS WITH PELTIER COOLING PROVIDED BY BACK-END WIRING	
	DECLARATION	
As the below r	named inventor. Thereby declare that:	
This declaration is directed to:	m The attached application, or	
****	United States application or PCT international application number	
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.	
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by muent 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	
hereby sell, ass Grand Cayman the invention li any foreign con extensions ther and Applicatio including but n proceedings as infringement, a	ind 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, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to sted above, together with the Application, any and all Patents that may issue in the United States and/or antries, 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 ns, for the United States and all foreign countries, and all the rights and privileges relating thereto ot 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.	
	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.	
LEGAL NAM	E OF INVENTOR Shorrange O. Koswatta Date: 08/01/2016	
Inventor:	Siyuranga O Koswatta Date: 08/0/12010	
Signature:		
	ation data sheet (PTO/SR/14 or equivalent), including naming the entire inventive entity, must accompany this form. I form for each additional inventor.	

Fitle of Invention	INTEGRATED CIRCUITS WITH PELTIER COOLING PROVIDED BY BACK-END WIRING				
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bave review Frademark ()	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				
eteny sell, a 3rand Cayme he invention my foreign ca- ratensions this attents and A neloding but wocceedings a	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I ssign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309. Ugland House, in KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to listed above, together with the Application, any and all Patents that may issue in the United States and/or outtries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or ereof that may be issued or granted, and all right, title and interest to the inventions contained in said ophications, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority tights arising from said Applications, the right to recover and take all such is 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.				
f any portio hall neverth	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions bereol eless remain in full force and effect.				
EGAL NAN	1E OF INVENTOR				
Inventor:	<u>Sungies Lee</u> Done: <u>8/18/2018</u>				
	and the second				

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)		
Title of BY BACK-END WIRING		
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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 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: Lan Luo Date : 8/1/2016		
Signature: Lan Luo		
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)				
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As the below named inve	entor, I hereby declare that:			
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LEGAL NAME OF INVENTOR				
Inventor: Scott K. S	Springer Date : \$/\$/16			
Signature:	of IK free			
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.				

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 fine or imprisonment of normore than five (5) years, or both. I have reviewed and understand the contents of the application and an aware of the duty to disclose to the US Pate 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 bereby self, assign, transfer, to GLOBALFOUNDRIES Inc, having a business address of PO Box 309, Ugland Hot Grand Cayman KY 1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in a my loreign countries, and my telesues, re-examinations, renewals, continuations, continuation-in-parts, divisional extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said and Applications. For the United States and all foreign countries, and all herights and privileger relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such processings as may be meessary for the recovery of damages or otherwise in respect of past, present and future unfingement, 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 I shall nevertheless remain in full force and effect.	COMBINED DECLARATION and ASSIGNMENT (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR L76)		
As the below named inventor. I hereby declare that: This declaration is directed to: The attached application or PCT international application number filed of the above-identified application was made or authorized to be made by nie. The above-identified application was made or authorized to be made by nie. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I bereby acknowledge that any wilfful false statement made in this declaration is punishable under 18 U.S.C. 1001 fine or imprisonment of nor 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 Pate Trademark Office all information known to me to be ritaterial to patentability as defined in 37 CER § 1.56. ASSIGNMENT For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged bereby self, assign, transfer, to GLOBALFOUNDRIES lue, buying a business tadress of PO BOX 309, Ugland Ho frand Cayman KYT+1104 its successors and assigns, absolutely and forever, ny entire right, fill and interest in a be invention listed above, together with the Application, any and all Patents that may issue in the United States an py foreign contrifies, and any reissues, re-examinations, renewals, continuations, or parts, divisional axtensions thereof that may be issued or granted, and all fight, title and interest in the invention sentation in parts. If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions I dual nevertheless remain in full force and effect.	x	INTEGRATED CIECUITS WITH PELTIER COOLING PROVIDED BY BACK-END WIKING	
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Retried & Month All Contract	.EGAL NAM	É OF INVENTOR	
Bivenuor: Addenting All Date?	Inventor:	Richard A. Wathpik // Date : <u>SIDOL6</u>	
Signature: <u>AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</u>	Signature:	<u>AMI 4/11</u>	

RECORDED: 07/25/2017