505798553 12/02/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5845382

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BIN LIU	11/25/2019
ENG HUAT TOH	11/19/2019
SHYUE SENG TAN	11/26/2019
KIOK BOONE ELGIN QUEK	11/28/2019

RECEIVING PARTY DATA

Name:	GLOBALFOUNDRIES SINGAPORE PTE. LTD.
Street Address:	60 WOODLANDS INDUSTRIAL PARK D
Internal Address:	STREET 2
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	738406

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16700358

CORRESPONDENCE DATA

Fax Number: (937)443-6635

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: 937-443-6600

Email: ipdocket@thompsonhine.com

Correspondent Name: THOMPSON HINE LLP
Address Line 1: 10050 INNOVATION DRIVE

Address Line 2: SUITE 400

Address Line 4: DAYTON, OHIO 45342-4934

ATTORNEY DOCKET NUMBER:	LSG001-US-NP
NAME OF SUBMITTER:	WILLIAM R. ALLEN
SIGNATURE:	/William R. Allen/
DATE SIGNED:	12/02/2019

Total Attachments: 4

PATENT REEL: 051152 FRAME: 0086

505798553



COMBINE	ED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)
Title of Invention	ON-CHIP TEMPERATURE SENSING WITH NON-VOLATILE MEMORY ELEMENTS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application numberfiled on
The above-id	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 ackn or imprisonm	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 review Trademark O	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
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings a	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby ansfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in zention listed above, together with the Application, any and all Patents that may issue in the United States reign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals thereof that may be issued or granted, and all right, title and interest to the inventions contained in said applications, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority rights arising from said Applications, the right to recover and take all such as 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.
If any portion shall neverth	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
LEGAL NAM	IE OF INVENTOR
Inventor:	Bin Liu Date: 25/11/2019
Signature:	(vuki)
Note: An applic Use an addition	ation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. al 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	ON-CHIP TEMPERATURE SENSING WITH NON-VOLATILE MEMORY ELEMENTS
	DECLARATION
As the below na	amed 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	um the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknow or imprisonmen	viedge 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 Office	and understand the contents of the application and am aware of the duty to disclose to the US Patent and ce all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
sell, assign, tran. Park D Street 2, and to the inven- and/or any foreign or extensions the Patents and App including but no proceedings as	aluable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in tion listed above, together with the Application, any and all Patents that may issue in the United States gn countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals ereof that may be issued or granted, and all right, title and interest to the inventions contained in said elications, for the United States and all foreign countries, and all the rights and privileges relating thereto be 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 d the right to apply for, take and maintain patents on said inventions.
If any portion o shall neverthele	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: E	ng-Huat Toh Date: 26/11/19
Signature:	Ato
Note: An applicat	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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	ON-CHIP TEMPERATURE SENSING WITH NON-VOLATILE MEMORY
Invention	ELEMENTS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application number filed on
The above-id	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 acknor imprisonm	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.
	red 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
sell, assign, tr Park D Street and to the inv and/or any for or extensions Patents and A including but proceedings	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby ransfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in vention listed above, together with the Application, any and all Patents that may issue in the United States reign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals thereof that may be issued or granted, and all right, title and interest to the inventions contained in said applications, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority rights arising from said Applications, the right to recover and take all such as 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.
	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.
I POAT NA	AT OF BUILDING
Inventor:	Shyue Seng Tan Date: 26 NGU 20 CP
Signature:	
Note: An appli	ication data sheet (PTO/SBN4 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an addition	isation used sheet (r 1 0/50/14 or equivalent), including naming the entire inventive entity, must accompany this form.

TEM - F	ON-CHIP TEMPERATURE SENSING WITH NON-VOLATILE MEMORY
Title of Invention	ELEMENTS
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarat	
	United States application or PCT international application number filed on
The above-id	lentified 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.
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by finement of not more than five (5) years, or both.
	ved and understand the contents of the application and am aware of the duty to disclose to the US Patent and Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
sell, assign, t Park D Stree and to the in and/or any fo or extension: Patents and a including bu proceedings	d valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industriat 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest invention listed above, together with the Application, any and all Patents that may issue in the United State preign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals thereof that may be issued or granted, and all right, title and interest to the inventions contained in sai Applications, for the United States and all foreign countries, and all the rights and privileges relating theret at not limited to the priority rights arising from said Applications, the right to recover and take all success 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.
	on of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof heless remain in full force and effect.
LEGAL NA	ME OF INVENTOR
Inventor:	Kiok Boone Elgin Quek Date: 28 Nov 2019

PATENT REEL: 051152 FRAME: 0091

RECORDED: 12/02/2019