505204238 11/26/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5251006

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUSHENG BIAN	11/21/2018
ABU THOMAS	11/21/2018
AJEY POOVANNUMMOOTTIL JACOB	11/21/2018

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:	16199727

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:	KMLT278-US-NP
NAME OF SUBMITTER:	WILLIAM R. ALLEN
SIGNATURE: /William R. Allen/	
DATE SIGNED:	11/26/2018

Total Attachments: 3

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PATENT 505204238 REEL: 047581 FRAME: 0558

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PATENT REEL: 047581 FRAME: 0559

GF Ref. No.: KMLT278-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 MULTIPLE-LAYER ARRANGEMENTS PROVIDING SWITCHABLE OPTICAL COMPONENTS		
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 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 Yusheng Bian Date: 11/21/2018		
inventor.		
Signature: YUShely Bian		
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 LTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76).

True of Javention	MULTIPLE-LAYER ARRANGEMENTS PROVIDING SWITCHABLE OPTICAL COMPONENTS	
	DECLARATION	
\s ibc\c\s	named inventor, I hereby declare that	
s dreded to	The arrached application or Th	
	Langed States application or PCT international application number filed on	
The above is	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 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	
hereby sell, a Grand Cayma the invention any foreign c extensions the and Applicati including but proceedings a infringement.	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 KY I-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 countries, 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 Patents ons, 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 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.	
If any portio	n of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof eless remain in full force and effect.	
LEGAL NAN	ME OF INVENTOR Abu Thomas Date: 11/21/18	
Inventor:	Abu Thomas Date: 77/21/18	
Signature	4	
	ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, and form for each additional inventor.	

PATENT REEL: 047581 FRAME: 0561

GF Ref. No.: KMLT278-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	MULTIPLE-LAYER ARRANGEMENTS PROVIDING SWITCHABLE OPTICAL COMPONENTS	
	DECLARATION	
As the below	As the below named inventor, I hereby declare that:	
This declarati		
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 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 NA Inventor: Signature	ME OF INVENTOR Ajey Poovannummoottil Jacob Date: 11/21/2018	
	Direction data chart (PTO/SR/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

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.

PATENT REEL: 047581 FRAME: 0562