PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4834555

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SRINIVASA BANNA	01/16/2018
DEEPAK NAYAK	06/21/2017
AJEY P. JACOB	06/26/2017

RECEIVING PARTY DATA

Name:	GLOBALFOUNDRIES INC.
Street Address:	P.O. BOX 309, UGLAND HOUSE
City:	GRAND CAYMAN
State/Country:	CAYMAN ISLANDS
Postal Code:	KY1-1104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15901850

CORRESPONDENCE DATA

Fax Number: (656)846-2005

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: 6568549880

Email: oa.notification@horizonip.com.sg

HORIZON IP PTE. LTD. **Correspondent Name:**

Address Line 1: 7500A BEACH ROAD, #04-306/308

Address Line 2: THE PLAZA

Address Line 4: SINGAPORE, SINGAPORE 199591

ATTORNEY DOCKET NUMBER:	GFSP2016NAT62US1
NAME OF SUBMITTER:	DEXTER CHIN
SIGNATURE:	/dexter chin/
DATE SIGNED:	02/21/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 044995 FRAME: 0031 504787823

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PATENT REEL: 044995 FRAME: 0032 Amorney's Docket No.: GFSP2016NAT62US0 GF Ref. No.: ISC014-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	LED: WITH THREE COLOR RGB PIXELS FOR DISPLAYS	
DECLARATION		
As the below	munch inversion. I hereby declare that:	
This declarati		
is directed to:	Coited States application or PCT-immunational application number 15359458	
The above id-	entified application was made or authorized to be made by ma	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
	owledge that any willful faine statement made in this declaration is punishable under 18 U.S.C. 1991 by onment of not more than five (3) years, or built.	
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 patentiability as defined in 37 CFR § 1.56.		
	ASSECUTENT	
hereby sell, a Grand Cayms interest in an United States parts, division contained in a privileges reb recover and is	and valuable consideration, the receipt, sufficiency and adequacy of which are benefity acknowledged, I seign, transfer, to GLOBALFOLFOLDRIES INC. baving a business address of P.O. Box 309, Ugland House, in K.Y.I-1104, Cayman Islands in successors and assigns, absolutely and interver, my entire right, fille and I to the invention listed above, together with the Application, ony and all Patents that may issue in the and/or any foreign countries, and any reissors, re-examinations, renewals, continuations, continuation-insists or extensions thereof that may be issued or granted, and all right, title and interest to the inventions and Patents and Applications, for the United States and all right, title and all the rights and attempted to the priority rights arising from said Applications, the right to also therefore including but not limited to the priority rights arising from said Applications, the right to also all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, story infringement, and the right to apply for, take and maintain patents on said inventions.	
If any partion of this Combined Declaration or Assignment is held anonforceable, then remaining portions hereof shall nevertheless remain in full force and effect.		
LEGAL NAN	AE OF INVENTOR	
Inventor:	Sriainassa BANNA Date: 0//6/2018	
Signature: A. Sara-Cara-Cara-Cara-Cara-Cara-Cara-Cara-		
	ication data abou (PTC)SEC4 or equivalent, including naming the entire inventive settly, most secompany this form. Tot form the each additional inventor.	

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Attorney's Docket No.: GFSP2016NAT62US0 GF Ref. No.: ISC014-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	LEDs WITH THREE COLOR RGB PIXELS FOR DISPLAYS	
DECLARATION		
As the below	named inventor, I hereby declare that:	
This declarati		
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 P.O. Box 309, Ugland House, Grand Cayman KY1-1104, Cayman Islands 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:	Deepak NAYAK Date : 6/21/12	
Signature:		
	lication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, nal form for each additional inventor.	

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Attorney's Docket No.: GFSP2016NAT62US0 GF Ref. No.: ISC014-US-NP

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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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 P.O. Box 309, Ugland House, Grand Cayman KYI-1104, Cayman Islands 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-inparts, 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 NAN	LEGAL NAME OF INVENTOR	
Inventor:	Ajey P. JACOB Date: 06 26 20 T	
Signature: Signature:		
	cation data sheet (PTC/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

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RECORDED: 02/21/2018