506471615 01/27/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YIFENG QIU	02/19/2019
JOHN GRANT	02/19/2019

RECEIVING PARTY DATA

Name:	LUMILEDS HOLDING B.V.
Street Address:	THE BASE, TOWER B5 UNIT 107
Internal Address:	EVERT VAN DE BEEKSTRAAT 1
City:	SCHIPOL, 1118 CL
State/Country:	NETHERLANDS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16543230

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ATTORNEY DOCKET NUMBER:	2018P00104US02 063US2
NAME OF SUBMITTER:	KIMBERLIE PATES
SIGNATURE:	/Kimberlie Pates/
DATE SIGNED:	01/27/2021

Total Attachments: 5

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PATENT 506471615 REEL: 055047 FRAME: 0010

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2018P00104US02 063US2 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Lumileds Holding B.V. Yifeng Qiu, John Grant Street Address: The Base, Tower B5 Unit 107 Additional name(s) of conveying party(ies) attached? Evert van de Beekstraat 1 []Yes [X]No City: Schipol, 1118 CL Country: Netherlands 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: February 19, 2019, February 19, 2019 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 16/543,230 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ 0.00 concerning document should be mailed: Name: Anthony P. Curtis []Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. /Anthony Curtis/ 1/27/2021 Anthony P. Curtis/Reg. No. 46,193 Name of Person Signing Signature Date Total number of pages including cover sheet: 5 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 055047 FRAME: 0011 Atty, Docket No. LUMI-2018P00104US01

ASSIGNMENT

Whereas,

Yifeng Qiu c/o Lumileds Holding B.V. The Base, Tower B5, Unit 107 Evert van de Beekstraat 1 Schiphol, NL 1118 CL John Grant c/o Lumileds Holding B.V. The Base, Tower B5, Unit 107 Evert van de Beekstraat 1 Schiphol, NL 1118 CL

(hereafter jointly and severally referred to as the undersigned), are the inventors of

HYBRID DRIVING SCHEME FOR RGB COLOR TUNING

for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. 16/258,193, filed January 25, 2019.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

Lumileds Holding B.V., a private limited liability company incorporated in the Netherlands, having a place of business at The Base, Tower B5 Unit 107, Evert van de Beekstraat 1, Schiphol, NL 1118 CL, (hereafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

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Atty, Docket No. LUMI-2018P00104US01

It is agreed that the undersigned shall be legally bound, upon request of the

assignee, to supply all information and evidence relating to the making and practice

of said invention, to testify in any legal proceeding relating thereto, to execute all

instruments proper to patent the invention throughout the world for the benefit of

the assignee, and to execute all instruments proper to carry out the intent of this

instrument.

The undersigned warrant that the rights and property herein conveyed are

free and clear of any encumbrance.

AND this Assignment may be executed in multiple counterparts, each of

which shall be deemed to be an original of this Assignment. Additionally, we hereby

authorize our attorneys to collect the signature pages of each executed counterpart

and to attach those signature pages to a single copy of this instrument, which single

copy and attached signature pages together shall constitute an original of this

Assignment.

AND if this Agreement is signed electronically (e.g., via DocuSign, Adobe

Sign, Hello Sign, electronically drawn, or the like), by signing this Agreement

electronically, the undersigned agree that the undersigned's electronic signature is

the legal equivalent of the undersigned's manual signature on this Agreement. The

undersigned further agree that use of a touch pad, keyboard, key pad, mouse or

other device to select a signature item, button, icon or a similar act/action

constitutes the undersigned's signature as if manually signed by the undersigned.

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PATENT REEL: 058043 FRAME: 0023

Atty, Docket No. LUMI-2018P00104US01

2/19/2019 1:4	\$2 PM EST	
Date		Yifeng Qiu
Signed at	San Jose, USA	
	(City and Country)	

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Atty, Docket No. LUMI-2018P00104US01

2/19/2019 4:	27 PM EST	John Grant	
Date		John Grant	
Signed at	Charlotte, NC USA		
	(City and Country)		***************************************

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RECORDED: 02/29/2029

PATENT REEL: 056048 FRAME: 0026