PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6147596

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUMILEDS HOLDING B.V.	06/08/2020

RECEIVING PARTY DATA

Name:	LUMILEDS LLC	
Street Address:	370 WEST TRIMBLE ROAD	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95131	

PROPERTY NUMBERS Total: 15

Property Type	Number
Patent Number:	10253938
Patent Number:	10260695
Patent Number:	10295141
Patent Number:	10473313
Patent Number:	10490719
Patent Number:	10520152
Patent Number:	10527247
Patent Number:	10539289
Patent Number:	10591131
Patent Number:	10553766
Patent Number:	10654028
Patent Number:	10529894
Application Number:	16415511
Application Number:	16067016
Application Number:	16736424

CORRESPONDENCE DATA

Fax Number:

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.

Email: dkerner@vklaw.com

PATENT REEL: 052898 FRAME: 0491

506100874

Correspondent Name: VOLPE AND KOENIG, P.C. **Address Line 1:** 30 SOUTH 17TH STREET

Address Line 2: SUITE 1800

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	LUMI-1A
NAME OF SUBMITTER:	DAWN C. KERNER
SIGNATURE:	/Dawn C. Kerner/
DATE SIGNED:	06/10/2020

Total Attachments: 7

source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page1.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page2.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page3.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page4.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page5.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page6.tif source=LUMI-1A_-_ASSIGN_Lumileds_Holding_BV_to_Lumileds_LLC_-_20200608#page7.tif

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ASSIGNMENT

This Deed of Assignment (hereafter referred to as "Assignment") is made on the 8th day of June, 2020 (hereafter referred to as "Effective Date") by and among 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 "Assignor") and Lumileds LLC, a Delaware limited liability company, having a place of business at 370 West Trimble Road, San Jose, CA 95131 (hereafter referred to as "Assignee").

WHEREAS the Assignor owns all right, title and interest in and to the inventions, patents and patent applications listed in Schedule A attached hereto (hereafter referred to as "Patents").

WHEREAS the Assignee is desirous of acquiring the entire right, title and interest in and to the Patents.

NOW, THEREFORE, as of the Effective Date, the Assignor, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby transfer and assign to the Assignee all right, title and interest in and to the Patents, all provisional applications, non-provisional applications, continuing reexaminations, applications. divisional applications, reissues, substitutes and extensions of any of the Patents, and any and all patents issuing on or from any of the Patents and any and all continuing applications, divisional applications, reissues, reexaminations, renewals, substitutes and extensions thereof, in and throughout the United States of America, its territories and all foreign countries, including all rights to sue for infringement thereof, whether arising prior to or subsequent to the Effective Date, together with all choses in action, the right to sue for past, present and future infringements, and to collect 1 of 6

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damages and costs for all past, present and future infringements, the same to be held and enjoyed by the Assignee, its successors and assigns, from and after the Effective Date, as fully and entirely as the same would have been held and enjoyed by the Assignor had this Assignment not be made. The Assignee hereby requests the Commissioner for Patents of the United States Patent and Trademark Office, and any Official of any country or countries foreign to the United States authorized to issue patents on applications aforesaid, to record Assignee as the owner of such Patents and to issue all Letters Patent for said Patents in the name of the Assignee.

AND the Assignor covenants and agrees that it will use commercially reasonable efforts to execute or cause the execution of any further assurance of title to any of the Patents, and to, at any time, upon the reasonable request and at the expense of the Assignee, deliver, or cause to be delivered, any testimony in any interference, litigation or proceeding related thereto and execute, or cause to be executed, all papers that may be necessary or desirable to perfect the title to the Patents or any patent which may be granted therefor to the Assignee, its successors, assigns or any other legal representatives, and make, or cause to be made, to the extent possible, all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, at the expense of the Assignee, its successors, assigns or other legal representatives.

AND the Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, the Assignee and the Assignor hereby authorize their 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.

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AND if this Assignment is signed electronically (e.g., via DocuSign, Adobe Sign, Hello Sign, electronically drawn, or the like), by signing this Assignment electronically, the Assignor agrees that the Assignor's electronic signature is the legal equivalent of the Assignor's manual signature on this Assignment. The Assignor 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 Assignor's signature as if manually signed by the Assignor.

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Atty. Docket	No	
June 8, 2020		DocuSigned by: CEC5B1EB09E04D7
Date		Cheree McAlpine On behalf of Lumileds Holding B.V.
Signed at	Alamo, USA (City and Country)	

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Atty. Docket June 8, 2020	No	DocuSigned by: CEC5B1EB09E04D7
Date		Cheree McAlpine On behalf of Lumileds LLC
Signed at	Alamo, USA (City and Country)	

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SCHEDULE A

US 07-06-2018 04-09-2019 16/068,601 10,253,938 Benno SPINO Josef SCHU Robert DER General D	
Robert DER Steffen ZOZGO	ÆR
US 06-21-2018 04-16-2019 16/064,967 10,260,695 Ulrich HECHTFI Steffen ZOZGO US 12-08-2017 05-21-2019 15/735,143 10,295,141 Coon Chow Too Chow Too Chow Too Su Ping TA Tomonari ISHE Selvakumar PALA US 09-18-2018 11-12-2019 16/134,555 10,473,313 Wilbert HEFF Wen YU Oleg B. SHCH Franklin W. Kuochou T. Mohiuddin M. Robert ZOM Jeffrey KME/ Alexander NIG Selvakumar PALA US 05-18-2018 11-26-2019 15/777,295 10,490,719 Wen YU Oleg B. SHCH Franklin W. Alexander NIG Selvakumar PALA US 05-02-2018 12-31-2019 15/773,121 10,520,152 Steffen ZOZGO Selfen ZOZGO Jean-Sebast US 04-16-2019 01-07-2020 16/385,722 10,527,247 Jacek KOWAL Jean-Sebast	$_{ m IG}$
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Lukas KUEP	PER
Maciej Dawid PA	KULSKI
US 04-19-2019 01-21-2020 16/389,431 10,539,289 Hans Helmut BE	CHTEL
Thomas DIEDE	RICH
US 11-14-2018 03-17-2020 16/191,018 10,591,131 Benno SPINO	ER
Casey ISRA	EL
US 09-12-2018 02-04-2020 16/084,453 10,553,766 Norbertus Antonic SWEEGEF	
Floris Maria He	
CROMPVOE	
Christian KLEI	
Gerard KU	INEN

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US	12-21-2018		16/230,439		Jiangliang WANG
					Chen CAI
	1				Xiaoqiang LI
US	05-18-2018	01-07-2020	15/777,255	10,529,894	David CHONG
					Yeow-Meng TEO
US	05-17-2019		16/415,511		Coon Chow TAN
					Su Ping TAN
					Tomonari ISHIKAWA
					Selvakumar PALANIANDY
US	06-28-2018		16/067,016		Iwan-Wahyu SAPUTRA
					Yeow-Meng TEO

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RECORDED: 06/10/2020