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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERIC STEPHANE DIANA	12/06/2019
YIFENG QIU	12/06/2019
MICHAEL WASILKO	12/06/2019
NAZILA SOLEIMANI	12/06/2019
JEROEN DEN BREEJEN	12/06/2019
ALAN ANDREW MCREYNOLDS	12/06/2019
GREGORY DONALD GUTH	12/26/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16403456

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	2018P00003US08 035US1	
NAME OF SUBMITTER:	KIMBERLIE PATES	
SIGNATURE:	/Kimberlie Pates/	
DATE SIGNED:	01/10/2020	

Total Attachments: 10 source=5241035US1_ASSN#page1.tif source=5241035US1_ASSN#page2.tif source=5241035US1_ASSN#page3.tif source=5241035US1_ASSN#page4.tif source=5241035US1_ASSN#page5.tif source=5241035US1_ASSN#page6.tif source=5241035US1_ASSN#page7.tif source=5241035US1_ASSN#page8.tif source=5241035US1_ASSN#page8.tif source=5241035US1_ASSN#page9.tif source=5241035US1_ASSN#page9.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 2018P00003US08 035US1 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 LLC Frederic Stephane Diana, Yifeng Qiu, Michael Wasilko, Street Address: 370 W Trimble Rd Nazila Soleimani, Jeroen Den Breejen, Alan Andrew McReynolds, Gregory Donald Guth City: San Jose State: CA Zip: <u>95131</u> Additional name(s) of conveying party(ies) attached? Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: <u>December 6, 2019, December 26, 2019</u> 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. 16/403,456 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Anthony P. Curtis [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 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 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. 1/8/2020 /Anthony Curtis/ Anthony P. Curtis/Reg. No. 46,193 Name of Person Signing Signature Date Total number of pages including cover sheet: 10

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

ASSIGNMENT

WHEREAS, Frederic Stephane Diana, Yifeng Qiu, Michael Wasilko, Nazila Soleimani, Jeroen Den Breejen, Alan Andrew McReynolds and Gregory Donald Guth (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on May 3, 2019, assigned US application serial number 16/403,456, and titled LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION as described in a patent application filed on July 27, 2018 assigned European application serial number 18186073.5, and titled LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION; as described in a patent application filed on June 21, 2018 assigned United States application serial number 16/014,734, and titled LIGHT ENGINES WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION; and as described in a provisional patent application filed on May 4, 2018 assigned United States application serial number 62/667,180, and titled LIGHT ENGINES WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Lumileds LLC (the "Assignee"), having a place of business at 370 W Trimble Rd, San Jose, CA 95131, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 161449 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): /

Frederic Stephane Diana /

Name: <u>Frederic Stephane Diana</u> City/State or Country: <u>Santa Clara, CA</u>

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): / Yifung Qiu

Name: Yifeng Qiu

City/State or Country: San Jose, CA

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): /

Michael Wasilko

/

Name: Michael Wasilko

City/State or Country: San Jose, CA

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): / Nazila Solumani

Name: Nazila Soleimani

City/State or Country: San Jose, CA

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): / Jeroen Den Bregen

Name: Jeroen Den Breejen

City/State or Country: Morgan Hill, CA

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): /

Man Andrew McKeynolds /

Name: Alan Andrew McReynolds

City/State or Country: San Jose, CA

Date: 12/6/2019

Assignors: Frederic Stephane Diana et al.

Title: LIGHT FIXTURE WITH DYNAMICALLY CONTROLLABLE LIGHT DISTRIBUTION

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Docket No: 2018P00003US08 035US1 Client Ref. No. 2018P00003US08

Assignor:

(Signature): / Gregory Donald Guth

Name: <u>Gregory Donald Guth</u> City/State or Country: <u>San Jose, CA</u>

Date: 12/26/2019

PATENT REEL: 051473 FRAME: 0811

RECORDED: 01/10/2020