

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7017116

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NAME OF INVENTOR VAN VOORST VADER previously recorded on Reel 053221 Frame 0479. Assignor(s) hereby confirms the THE ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NICOLA BETTINA PFEFFER	07/07/2020
ARJEN GERBEN VAN DER SIJDE	07/10/2020
PIETER JOHANNES QUINTUS VAN VOORST VADER	07/10/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LUMILEDS HOLDING B.V.
<b>Street Address:</b>	EVERT VAN DE BEEKSTRAAT 1
<b>Internal Address:</b>	THE BASE, TOWER B5 UNIT 107
<b>City:</b>	SCHIPHOL
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1118 CL
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16930159
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	2019P00020US01 109US1
<b>NAME OF SUBMITTER:</b>	ROBIN L. MONSEES
<b>SIGNATURE:</b>	/ ROBIN L. MONSEES /
<b>DATE SIGNED:</b>	11/10/2021
<b>Total Attachments: 8</b>	
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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6202448

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NICOLA BETTINA PFEFFER	07/07/2020
ARJEN GERBEN VAN DER SIJDE	07/10/2020
QUINT VAN VOORST-VADER	07/10/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LUMILEDS HOLDING B.V.
<b>Street Address:</b>	EVERT VAN DE BEEKSTRAAT 1
<b>Internal Address:</b>	THE BASE, TOWER B5 UNIT 107
<b>City:</b>	SCHIPOL
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1118 CL
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16930159
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	612-373-6900
<b>Email:</b>	uspto@slwip.com
<b>Correspondent Name:</b>	SLW/LUMILEDS
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	5241.109US1
<b>NAME OF SUBMITTER:</b>	KATHLEEN GANNON
<b>SIGNATURE:</b>	/ Kathleen Gannon/
<b>DATE SIGNED:</b>	07/15/2020
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

Initials QvVr

Pieter Johannes Quintus van Voorst Vader Date Nov 10 2021

WHEREAS, Nicola Bettina Pfeffer, Arjen Gerben Van Der Sijde and ~~Quint Van Voorst Vader~~ (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 July 15, 2020, assigned US application serial number 16/930,159, and titled SEMICONDUCTOR LIGHT EMITTING DEVICE and as described in a patent application filed on July 23, 2019 assigned European application serial number 19187728.1, and titled SEMICONDUCTOR LIGHT EMITTING DEVICE.

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 Holding B.V. (the "Assignee"), a corporation of the State of Netherlands, having a place of business at Evert van de Beekstraat 1, The Base, Tower B5 unit 107, Schipol 1118 CL, Netherlands, 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:

Assignor:

(Signature): / *nicola pfeffer* /

---

Name: Nicola Bettina Pfeffer

City/State or Country: Eindhoven, Netherlands

Date: July 7th, 2020

**Assignment**

Assignor: Nicola Bettina Pfeffer et al.

Title: SEMICONDUCTOR LIGHT EMITTING DEVICE

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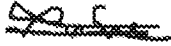
Docket No: 2019P00020US01 109US1

Client Ref. No. 2019P00020US01

**Assignor:**

(Signature):

/



/

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Name: Arien Gerben Van Der Sijde

City/State or Country: Eindhoven, Netherlands

Date: 7/10/2020



Assignor:

(Signature): / *Q. van Voorst Vader* /

Name: Quint Van Voorst-Vader

City/State or Country: Son, Netherlands

Initials QvVr

Date: 7/10/2020

Pieter Johannes Quintus van Voorst Vader Date Nov 10 2021