

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6685430

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VENKATA ANANTH TAMMA	04/29/2021
TONI LOPEZ	04/28/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LUMILEDS LLC
<b>Street Address:</b>	370 WEST TRIMBLE ROAD
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16160738
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(669)272-2077
<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>	408-331-2329
<b>Email:</b>	jfosnaugh@spatentlaw.com
<b>Correspondent Name:</b>	SCHMIDT PATENT LAW, INC.
<b>Address Line 1:</b>	2635 N. FIRST STREET
<b>Address Line 2:</b>	SUITE 150
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134-2000
<b>ATTORNEY DOCKET NUMBER:</b>	2018P00054US02
<b>NAME OF SUBMITTER:</b>	ALEXANDER SHEI, REG. NO. 74,527
<b>SIGNATURE:</b>	/Alexander Shei/
<b>DATE SIGNED:</b>	04/30/2021
<b>Total Attachments: 2</b>	
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Docket No. 2018P00054US02

<b>DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT</b>	
<b>Title of Invention</b>	<b>LED EMITTERS WITH INTEGRATED NANO-PHOTONIC STRUCTURES TO ENHANCE EQE</b>
As the below named inventor, I hereby declare that:	
<p>This declaration ( ) The attached application, or is directed to: (X) United States application or PCT international application number <b>16/160,738</b> filed on <b>10-15-2018</b>.</p>	
<p>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. <u>Note to Inventor:</u> 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."</p>	
I hereby sell, assign, and transfer, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, to:	
<p><b><u>Lumileds LLC</u></b> (Name of Assignee) <u>of 370 West Trimble Road, San Jose, CA 95131</u> (address of Assignee)</p>	
<p>its successors or assigns (hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC § 100 and throughout the world in and to all inventions and improvements disclosed in the aforesaid application (filed <b>10-15-2018</b> as U.S. or PCT App. No. <b>16/160,738</b>), and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns. I also agree to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.</p>	
<p>I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and at no cost to me will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.</p>	
<p>I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.</p>	
<p>I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application in all countries or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.</p>	
<p>I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid patent in the U.S. to the Assignee. Assignee's representatives are hereby authorized to insert the application number and filing date, when known, into this assignment.</p>	
<p>Inventor (Legal Name): Venkata Ananth Tamma (City, State or Province, Country of Residence): US Date: 4/29/2021</p>	
Signature: /Venkata Ananth Tamma/	

Docket No. 2018P00054US02

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<p>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. <u>Note to Inventor:</u> 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."</p>	
I hereby sell, assign, and transfer, for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, to:	
<p><b><u>Lumileds LLC</u></b> (Name of Assignee) of <u>370 West Trimble Road, San Jose, CA 95131</u> (address of Assignee)</p>	
<p>its successors or assigns (hereinafter designated as the Assignee) my entire right, title and interest for the United States as defined in 35 USC § 100 and throughout the world in and to all inventions and improvements disclosed in the aforesaid application (filed <b>10-15-2018</b> as U.S. or PCT App. No. <b>16/160,738</b>), and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns. I also agree to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.</p>	
<p>I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and at no cost to me will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.</p>	
<p>I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.</p>	
<p>I agree to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application in all countries or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.</p>	
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<p>Inventor (Legal Name): Toni Lopez (City, State or Province, Country of Residence): DE Date: 4/28/2021</p>	
Signature: /Toni Lopez/	

**PATENT****RECORDED: 04/30/2021****REEL: 056092 FRAME: 0823**