506866207 09/13/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6913029

SUBMISSION TYPE:		NEW ASSIGNMENT			
IATURE OF CONVEYAN	ICE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ATA				
		Name	Execution Date		
TZE YANG HIN			09/10/2021		
YU-CHEN SHEN			09/10/2021		
LUKE GORDON			09/10/2021		
DANIELLE RUSSELL CH	AMBEI	RLIN	09/10/2021		
DANIEL BERNARDO ROITMAN			09/10/2021		
RECEIVING PARTY DA	 TA				
Name:		EDS LLC			
Street Address:		EST TRIMBLE ROAD			
City:	SAN J				
State/Country:		ORNIA			
Postal Code:	95131				
PROPERTY NUMBERS	Total: 1				
Property Type		Number			
Application Number:		16226604			
CORRESPONDENCE DA	ΑΤΑ				
CORRESPONDENCE DA	ΑΤΑ	(669)272-2077			
Fax Number: <i>Correspondence will be</i>	e sent to	o the e-mail address first; if that is unsucc			
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	e sent to	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via			
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329			
Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com			
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329			
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Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com SCHMIDT PATENT LAW, INC. 2635 N. FIRST STREET			
Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com SCHMIDT PATENT LAW, INC. 2635 N. FIRST STREET SUITE 150 SAN JOSE, CALIFORNIA 95134-2000			
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com SCHMIDT PATENT LAW, INC. 2635 N. FIRST STREET SUITE 150 SAN JOSE, CALIFORNIA 95134-2000	u US Mail.		
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com SCHMIDT PATENT LAW, INC. 2635 N. FIRST STREET SUITE 150 SAN JOSE, CALIFORNIA 95134-2000 2017P00128US02	u US Mail.		
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent to provideo	o the e-mail address first; if that is unsucc d; if that is unsuccessful, it will be sent via 408-331-2329 jfosnaugh@spatentlaw.com SCHMIDT PATENT LAW, INC. 2635 N. FIRST STREET SUITE 150 SAN JOSE, CALIFORNIA 95134-2000 2017P00128US02 DAVID SADRI ALAVI, REG. NO. 4031	u US Mail.		

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	MONOLITHIC SEGMENTED LED ARRAY ARCHITECTURE	
As the below named inv	entor, I hereby declare that:	
is directed to: () Unit	e attached application, or ed States application or PCT international application number filed on	
I believe that I am the of I hereby acknowledge th by fine or imprisonment <u>Note to Inventor</u> : 37 C.I unless that person has re-	plication was made or authorized to be made by me. riginal inventor or an original joint inventor of a claimed invention in the application. nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 of not more than five (5) years, or both. F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application eviewed and understands the contents of the application, including the claims, and is aware to the Office all information known to the person to be material to patentability as defined in	
I hereby sell, assign, and hereby acknowledged, to	I transfer, for good and valuable consideration, the receipt and sufficiency whereof is o:	
Lumileds LLC (Name of Assignee) of <u>370 West Trimble Ro</u> (address of Assignee)		
States as defined in 35 U the aforesaid application application, all divisions granted there from, and have been or shall be fil improvements, including hereby authorize and ree Letters Patent for the afor right, title and interest in	(hereinafter designated as the Assignee) my entire right, title and interest for the United USC § 100 and throughout the world in and to all inventions and improvements disclosed in (filed_12-19-2018 as U.S. or PCT App. No16/226.604.), and in and to the said as continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be all reissues or extensions of such patents, and in and to any and all applications which ed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and g an assignment of all rights under the provisions of the International Convention; and I d quest the Commissioner of Patents and Trademarks to issue any and all United States presaid inventions and improvements to the said Assignee as the assignee of the entire n and to the same, for the use of the said Assignee, its successors and assigns. I also agree gaments in connection with such applications as the Assignee may deem necessary or	
instruments in writing ir documents, and will con relating to said improve generally do all things w its successors or assigns Letters Patent, rights, tit to be.	and my executors and legal representatives will make, execute and deliver any and all other including any and all further application papers, affidavits, assignments and other immunicate to said Assignee, its successors and representatives all facts known to me ments and the history thereof and at no cost to me will testify in all legal proceedings and which may be necessary or desirable more effectually to secure to and vest in said Assignee the entire right, title and interest in and to the said improvements, inventions, application les, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended s h said Assignee, its successors and assigns, that no assignment, grant, mortgage, license o	
other agreement affectin	is the rights and property herein conveyed has been made to others by me and that full as herein expressed is possessed by me.	
with this application in a	ers necessary in connection with any post-grant proceeding which may occur in connection Il countries or continuation, divisional or reissue thereof and to cooperate with the Assignee obtaining evidence and going forward with such post-grant proceeding.	
Assignee. Assignee's re when known, into this a		
Inventor (Legal Name): 7 (City, State or Province, 4 Date: 9/10/2021	Tze Yang Hin Country of Residence): Cupertino, CA Signature: /Tze Yang Hin/	

PATENT REEL: 057461 FRAME: 0883

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	MONOLITHIC SEGMENTED LED ARRAY ARCHITECTURE	
As the below named in	ventor, I hereby declare that:	
is directed to: () Uni	e attached application, or ted States application or PCT international application number filed on	
I believe that I am the c I hereby acknowledge t by fine or imprisonmen <u>Note to Inventor:</u> 37 C. unless that person has r	pplication was made or authorized to be made by me. riginal inventor or an original joint inventor of a claimed invention in the application. hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 t of not more than five (5) years, or both. F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application eviewed and understands the contents of the application, including the claims, and is award o the Office all information known to the person to be material to patentability as defined i	
	d transfer, for good and valuable consideration, the receipt and sufficiency whereof is	
Lumileds LLC		
(Name of Assignee) of <u>370 West Trimble R</u> (address of Assignee	pad, San Jose, CA 95131	
States as defined in 351 the aforesaid application application, all division granted there from, and have been or shall be fi improvements, includin hereby authorize and re Letters Patent for the af right, title and interest i to execute separate assi expedient.	s (hereinafter designated as the Assignee) my entire right, title and interest for the United JSC § 100 and throughout the world in and to all inventions and improvements disclosed in a (filed_12-19-2018 as U.S. or PCT App. No. 16/226.604), and in and to the said s, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be all reissues or extensions of such patents, and in and to any and all applications which led in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and g an assignment of all rights under the provisions of the International Convention; and I d quest the Commissioner of Patents and Trademarks to issue any and all United States oresaid inventions and improvements to the said Assignee as the assignee of the entire n and to the same, for the use of the said Assignee, its successors and assigns. I also agree gnments in connection with such applications as the Assignee may deem necessary or	
instruments in writing i documents, and will co- relating to said improve generally do all things its successors or assign Letters Patent, rights, ti to be.	and my executors and legal representatives will make, execute and deliver any and all oth neluding any and all further application papers, affidavits, assignments and other mmunicate to said Assignee, its successors and representatives all facts known to me ments and the history thereof and at no cost to me will testify in all legal proceedings and which may be necessary or desirable more effectually to secure to and vest in said Assignee is the entire right, title and interest in and to the said improvements, inventions, application tles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended s	
other agreement affecti	th said Assignee, its successors and assigns, that no assignment, grant, mortgage, license of ng the rights and property herein conveyed has been made to others by me and that full e as herein expressed is possessed by me.	
with this application in a	bers necessary in connection with any post-grant proceeding which may occur in connection all countries or continuation, divisional or reissue thereof and to cooperate with the Assignee obtaining evidence and going forward with such post-grant proceeding.	
Assignee. Assignee's r when known, into this a		
Inventor (Legal Name): (City, State or Province,	Yu-Chen Shen Country of Residence): Sunnyvale, CA	
Date: 9/10/2021	Signature: /Yu-Chen Shen/	

PATENT REEL: 057461 FRAME: 0884

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	MONOLITHIC SEGMENTED LED ARRAY ARCHITECTURE	
As the below named inv	entor, I hereby declare that:	
is directed to: () Unit	e attached application, or ed States application or PCT international application number filed on	
I believe that I am the o I hereby acknowledge t by fine or imprisonmen <u>Note to Inventor</u> : 37 C.1 unless that person has r	plication was made or authorized to be made by me. riginal inventor or an original joint inventor of a claimed invention in the application. hat any willful false statement made in this declaration is punishable under 18 U.S.C. 100 t of not more than five (5) years, or both. F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application eviewed and understands the contents of the application, including the claims, and is awar to the Office all information known to the person to be material to patentability as defined	
I hereby sell, assign, an hereby acknowledged, t	d transfer, for good and valuable consideration, the receipt and sufficiency whereof is o:	
Lumileds LLC		
(Name of Assignee) of <u>370 West Trimble Re</u> (address of Assignee)	pad, San Jose, CA 95131	
States as defined in 35 t the aforesaid application application, all division granted there from, and have been or shall be fil improvements, includin hereby authorize and re Letters Patent for the af right, title and interest i	(hereinafter designated as the Assignee) my entire right, title and interest for the United JSC § 100 and throughout the world in and to all inventions and improvements disclosed in a (filed_12-19-2018 as U.S. or PCT App. No. 16/226.604), and in and to the said s, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may b all reissues or extensions of such patents, and in and to any and all applications which ed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions; and I can assignment of all rights under the provisions of the International Convention; and I can and to the said inventions and improvements to the said Assignee as the assignee of the entire n and to the same, for the use of the said Assignee, its successors and assigns. I also agree gnments in connection with such applications as the Assignee may deem necessary or	
instruments in writing it documents, and will con- relating to said improve generally do all things w its successors or assigns	and my executors and legal representatives will make, execute and deliver any and all other including any and all further application papers, affidavits, assignments and other immunicate to said Assignee, its successors and representatives all facts known to me ments and the history thereof and at no cost to me will testify in all legal proceedings and which may be necessary or desirable more effectually to secure to and vest in said Assigned is the entire right, title and interest in and to the said improvements, inventions, application test, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended	
other agreement affection	th said Assignee, its successors and assigns, that no assignment, grant, mortgage, license o ig the rights and property herein conveyed has been made to others by me and that full e as herein expressed is possessed by me.	
with this application in a	ers necessary in connection with any post-grant proceeding which may occur in connection Il countries or continuation, divisional or reissue thereof and to cooperate with the Assignee obtaining evidence and going forward with such post-grant proceeding.	
Assignee. Assignee's re when known, into this a		
Inventor (Legal Name): 1 (City, State or Province,	Luke Gordon Country of Residence): Santa Barbara, CA	
Date: 9/10/2021	Signature: /Luke Gordon/	

__Signature: /Luke Gordon/

PATENT REEL: 057461 FRAME: 0885

	TION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION	
USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	MONOLITHIC SEGMENTED LED ARRAY ARCHITECTURE	
As the below named inv	entor, I hereby declare that:	
	e attached application, or	
	ed States application or PCT international application number	
	plication was made or authorized to be made by me.	
I believe that I am the o I hereby acknowledge th	riginal inventor or an original joint inventor of a claimed invention in the application. hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 t of not more than five (5) years, or both.	
Note to Inventor: 37 C. Junless that person has re of the duty to disclose to	F.R. § $1.63(c)$ states: "A person may not execute an oath or declaration for an application eviewed and understands the contents of the application, including the claims, and is aware to the Office all information known to the person to be material to patentability as defined i	
§ 1.56."		
I hereby sell, assign, and hereby acknowledged, t	d transfer, for good and valuable consideration, the receipt and sufficiency whereof is o:	
Lumileds LLC		
(Name of Assignee) of <u>370 West Trimble Re</u> (address of Assignee)	pad, San Jose, CA 95131	
States as defined in 35 U the aforesaid application application, all divisions granted there from, and have been or shall be fill improvements, includin hereby authorize and re Letters Patent for the af right, title and interest in to execute separate assig expedient.	(hereinafter designated as the Assignee) my entire right, title and interest for the United JSC § 100 and throughout the world in and to all inventions and improvements disclosed in a (filed <u>12-19-2018</u> as U.S. or PCT App. No. <u>16/226.604</u>), and in and to the said s, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be all reissues or extensions of such patents, and in and to any and all applications which ed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and g an assignment of all rights under the provisions of the International Convention; and I do quest the Commissioner of Patents and Trademarks to issue any and all United States oresaid inventions and improvements to the said Assignee as the assignee of the entire n and to the same, for the use of the said Assignee, its successors and assigns. I also agree gnments in connection with such applications as the Assignee may deem necessary or	
instruments in writing in documents, and will con- relating to said improve generally do all things w its successors or assigns	and my executors and legal representatives will make, execute and deliver any and all other including any and all further application papers, affidavits, assignments and other immunicate to said Assignee, its successors and representatives all facts known to me ments and the history thereof and at no cost to me will testify in all legal proceedings and which may be necessary or desirable more effectually to secure to and vest in said Assigne is the entire right, title and interest in and to the said improvements, inventions, applications test, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended s	
other agreement affectin	th said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or ig the rights and property herein conveyed has been made to others by me and that full e as herein expressed is possessed by me.	
with this application in a	ers necessary in connection with any post-grant proceeding which may occur in connection Il countries or continuation, divisional or reissue thereof and to cooperate with the Assignee obtaining evidence and going forward with such post-grant proceeding.	
Assignee. Assignee's re when known, into this a		
	Danielle Russell Chamberlin Country of Residence): Belmont, CA	
Date: 9/10/2021	Signature: /Danielle Russell Chamberlin/	

PATENT REEL: 057461 FRAME: 0886

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT		
Title of Invention	MONOLITHIC SEGMENTED LED ARRAY ARCHITECTURE	
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I hereby sell, assign, an hereby acknowledged, t	d transfer, for good and valuable consideration, the receipt and sufficiency whereof is o:	
Lumileds LLC		
(Name of Assignee) of <u>370 West Trimble Re</u> (address of Assignee)	pad, San Jose, CA 95131	
States as defined in 35 I the aforesaid application application, all division granted there from, and have been or shall be fil improvements, includin hereby authorize and re Letters Patent for the af right, title and interest i to execute separate assist expedient.	(hereinafter designated as the Assignee) my entire right, title and interest for the United JSC § 100 and throughout the world in and to all inventions and improvements disclosed in a (filed <u>12-19-2018</u> as U.S. or PCT App. No. <u>16/226.604</u>), and in and to the said s, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be all reissues or extensions of such patents, and in and to any and all applications which ed in the U.S. for Letters Patent or in any other jurisdiction on the said inventions and g an assignment of all rights under the provisions of the International Convention; and I cause the Commissioner of Patents and Trademarks to issue any and all United States oresaid inventions and improvements to the said Assignee as the assignee of the entire n and to the same, for the use of the said Assignee, its successors and assigns. I also agree graments in connection with such applications as the Assignee may deem necessary or	
instruments in writing it documents, and will con- relating to said improve generally do all things w its successors or assigns Letters Patent, rights, ti- to be.	and my executors and legal representatives will make, execute and deliver any and all other including any and all further application papers, affidavits, assignments and other immunicate to said Assignee, its successors and representatives all facts known to me ments and the history thereof and at no cost to me will testify in all legal proceedings and which may be necessary or desirable more effectually to secure to and vest in said Assign the entire right, title and interest in and to the said improvements, inventions, application les, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended the said Assignee, its successors and assigns, that no assignment, grant, mortgage, license of	
other agreement affection	th said Assignee, its successors and assigns, that no assignment, grant, mortgage, license on the rights and property herein conveyed has been made to others by me and that full e as herein expressed is possessed by me.	
with this application in a	bers necessary in connection with any post-grant proceeding which may occur in connection Il countries or continuation, divisional or reissue thereof and to cooperate with the Assigned obtaining evidence and going forward with such post-grant proceeding.	
Assignee. Assignee's re when known, into this a		
(City, State or Province.	Daniel Bernardo Roitman Country of Residence): Menlo Park, CA	
Date: 9/10/2021	Signature: / Daniel Bernardo Roitman /	

PATENT REEL: 057461 FRAME: 0887

RECORDED: 09/13/2021