505060561 08/23/2018 PATENT ASSIGNMENT COVER SHEET

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		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY D	ΔΤΑ			
		Name	Execution Date	
ALAN PIQUETTE			08/01/2018	
MAXIM N. TCHOUL			08/01/2018	
GERTRUD KRÄUTER			08/01/2018	
RECEIVING PARTY D	ΑΤΑ			
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State/Country:	GERMAN	GERMANY		
Postal Code:	93055			
Property Type		Number		
Application Number:	15	5981707	-	
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CORRESPONDENCE I Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET N	DATA (9 be sent to th provided; i 97 da : SL 17 SL D/	72)732-9218 he e-mail address first; if that is un if that is unsuccessful, it will be se 72-732-1001 Docketing@slatermatsil.com LATER MATSIL, LLP 7950 PRESTON RD. JITE 1000 ALLAS, TEXAS 75252 OSR-483 JENNIFER L. PILCHER		
CORRESPONDENCE I Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: BIGNATURE:	DATA (9 be sent to th provided; i 97 da : SL 17 SL D/	72)732-9218 he e-mail address first; if that is un if that is unsuccessful, it will be se 72-732-1001 ocketing@slatermatsil.com _ATER MATSIL, LLP 7950 PRESTON RD. JITE 1000 ALLAS, TEXAS 75252 OSR-483 JENNIFER L. PILCHER /Jennifer L. Pilcher/		
CORRESPONDENCE I Fax Number: <i>Correspondence will I using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER: DIGNATURE: DATE SIGNED:	DATA (9) be sent to the provided; h 97 do 17 51 D/ IUMBER:	72)732-9218 he e-mail address first; if that is un if that is unsuccessful, it will be se 72-732-1001 ocketing@slatermatsil.com _ATER MATSIL, LLP 7950 PRESTON RD. JITE 1000 ALLAS, TEXAS 75252 OSR-483 JENNIFER L. PILCHER /Jennifer L. Pilcher/ 08/23/2018 1.tif		

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ASSIGNMENT

For good and valuable consideration, I (We),

Alan <u>Piquette</u>, residing at 26 Stumpfield Road KENSINGTON, NH 03833 UNITED STATES OF AMERICA citizen of the United States of America

Maxim N. <u>Tchoul</u>, residing at 12 Loring Avenue WINCHESTER, MA 01890 UNITED STATES OF AMERICA citizen of the United States of America

Gertrud <u>Kräuter,</u> residing at Johann-Igl-Weg 24 93051 Regensburg Germany citizen of Germany

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to OSRAM Opto Semiconductors GmbH, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Leibnizstr. 4 in 93055 Regensburg, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s).

Patent Application Title: METHOD FOR PRODUCING A CONVERTER ELEMENT, CONVERTER ELEMENT AND LIGHT EMITTING DEVICE Filing Date: 05/16/2018 (MM/DD/YYYY) Filing Number: 15/981,707 Internal Case Number(s): OSR-483

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof, and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Withess Signature

printed name of witness

Alan Piquette

Witness Signature

Maxim N. Tchoul

printed name of witness

Date

PATENT REEL: 046686 FRAME: 0300

Patent Application Title: METHOD FOR PRODUCING A CONVERTER ELEMENT, CONVERTER ELEMENT AND LIGHT EMITTING DEVICE Filing Date: 05/16/2018 (MM/DD/YYYY) Filing Number: 15/981,707 Internal Case Number(s): OSR-483

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature

Alan Piquette

printed name of witness

Date

Nitness Signature

Hiroak: printed name of witness

Marin Tcheul Maxim N. Tchoul

PATENT REEL: 046686 FRAME: 0301

P2018,0040 US E / 2017P02710US (SHS/ZO) Docket No.: OSR-483 Page 3 of 3

M. Lost

Witness Signature

MATTHAS

printed name of witness

costep

Gertrud Kräuter

01-August-2018 Date

Companies Representative(s) OSRAM Opto Semiconductors GmbH

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Signature

Name

Date

Signature Name

Date

PATENT REEL: 046686 FRAME: 0302

P2018,0040 US E / 2017P02710US (SHS/ZO) Docket No.: OSR-483 Page 3 of 3

Witness Signature	Gertrud Kräuter	
printed name of witness	Date	
	Companies Representative(s) OSRAM Opto Semiconductors GmbH	

OSRAM Op	to Semiconductors GmbH
Signature	I.V. Marin
Name	Nikolans Emili Witzer Signo Monopot Inite Lieft and Property
Date	0 7. AUG. 2018
Signature	W. Helseland
Name	Amirens Lockschmidt Serlor Manager
Date	0 7. AUG. 2018

RECORDED: 08/23/2018