502893524 07/16/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEV	W ASSIGNMENT				
NATURE OF CONVEYANCE:		ASS	ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ						
		Nam	e			Exec	cution Date
MARTIN MANDL						06/10	/2014
MARTIN STRASSBURG						06/06	/2014
CHRISTOPHER KÖLPER						06/10	/2014
ALEXANDER F. PFEUFFER						06/26	/2014
PATRICK RODE						06/10	/2014
RECEIVING PARTY DA	TA						
Name:			RS GMBH				
Street Address:	LEIBNI	ZSTRASS	E 4				
City:	REGEN	NSBURG					
State/Country:	GERM	GERMANY					
Postal Code:	93055						
	Total: 1						
PROPERTY NUMBERS Property Type	Total: 1		Number]		
	Total: 1	14362155]		
Property Type		14362155]		
Property Type Application Number: CORRESPONDENCE D Fax Number:	ΑΤΑ	(215)656-2	2498]		
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ASSIGNMENT

For good and valuable consideration, I (We),

Martin <u>Mandl.</u> residing at Kallmünzer Str. 24 93138 Lappersdorf Germany citizen of Germany

Martin <u>Straßburg</u>, residing at Frankenstr. 10 93093 Donaustauf Germany citizen of Germany

Christopher <u>Kölper</u>, residing at Liskircherstr. 11 93049 Regensburg Germany citizen of Germany

Alexander F. <u>Pfeuffer</u>, residing at Safferlingstr. 21 93053 Regensburg Germany citizen of Germany

Patrick <u>Rode</u>, residing at Amberger Str. 40 93059 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), pending patent application(s) or granted Letter Patent(s) or granted Letter Patent(s).

Patent Application Title: Optoelectronic semiconductor chip Filing Date: (06/02/2014) Filing Number: 14/362,155 Internal Case Number: EHF-14-1688

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

DR. HOLGER SPECHT printed name of witness Marthu Maudl Martin Mandl

10, JUNE 2014 Date

Martin Straßburg

Christopher Kölper

Date

Date

Witness Signature

printed name of witness

Witness Signature

printed name of witness

Witness Signature

printed name of witness

Alexander F. Pfeuffer

Date

Witness Signature

Patrick Rode

printed name of witness

Date

Witness Signature	Martin Mandl
printed name of witness	Date
Ma - Juga My Witness Signature	Martin Straßburg
<u>IANS- JÜRGEN LUGAUER</u> printed name of witness	June 6' 44, 20 14 Date
Witness Signature	Christopher Kölper
printed name of witness	Date
Witness Signature	Alexander F. Pfeuffer
printed name of witness	Date
Vitness Signature	Patrick Rode
printed name of witness	Date

PATENT REEL: 033320 FRAME: 0981

Witness Signature	Martin Mandl
printed name of witness	Date
Witness Signature	Martin Straßburg
printed name of witness	Date
Peter Wolff Peter Wolff printed name of witness	Christopher Kölper Christopher Kölper June 10th 2014 Date
Witness Signature	Alexander F. Pfeuffer
printed name of witness	Date
Witness Signature	Patrick Rode
printed name of witness	Date

Witness Signature	Martin Mandl
printed name of witness	Date
Witness Signature	Martin Straßburg
printed name of witness	Date
Witness Signature	Christopher Kölper
printed name of witness	Date
Witness Signature MARTIN MANDL printed name of witness	Dr. Alexander F. P (m/le) Alexander Fl. Pfeuffer 26th of June 2014 Date
Witness Signature	Patrick Rode
printed name of witness	Date

PATENT REEL: 033320 FRAME: 0983

Witness Signature	Martin Mandl
printed name of witness	Date
Witness Signature	Martin Straßburg
printed name of witness	Date
Witness Signature	Christopher Kölper
printed name of witness	Date
Witness Signature	Alexander F. Pfeuffer
printed name of witness	Date
Elmar Wermuth Witness Signature	Patrick Rode
ELMAR WERMUTH printed name of witness	10th June 2014 Date

PATENT REEL: 033320 FRAME: 0984

Companies Representative(s) OSRAM Opto Semiconductors GmbH Signature Name Kamper President & CEO Josef Ringsgwandl CFO Date 1 2 JUN 2014

RECORDED: 07/16/2014