

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Matthias Sabathil</td> <td>05/16/2013</td> </tr> <tr> <td>Alexander Linkov</td> <td>05/16/2013</td> </tr> <tr> <td>Christopher Kolper</td> <td>06/06/2013</td> </tr> <tr> <td>Martin Strassburg</td> <td>05/16/2013</td> </tr> <tr> <td>Norwin von Malm</td> <td>05/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Matthias Sabathil	05/16/2013	Alexander Linkov	05/16/2013	Christopher Kolper	06/06/2013	Martin Strassburg	05/16/2013	Norwin von Malm	05/12/2013
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RECEIVING PARTY DATA													
Name:	OSRAM Opto Semiconductors GmbH												
Street Address:	Leibnizstrasse 4												
City:	Regensburg												
State/Country:	GERMANY												
Postal Code:	93055												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13883346</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13883346								
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Application Number:	13883346												
CORRESPONDENCE DATA													
Fax Number:	2156562498												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Address Line 4:	Philadelphia, PENNSYLVANIA 19103												
ATTORNEY DOCKET NUMBER:	EHF-13-1117												
NAME OF SUBMITTER:	Carol Coney												

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Signature:	/cc/
Date:	06/13/2013
Total Attachments: 6 source=EHF-13-1117#page1.tif source=EHF-13-1117#page2.tif source=EHF-13-1117#page3.tif source=EHF-13-1117#page4.tif source=EHF-13-1117#page5.tif source=EHF-13-1117#page6.tif	

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Docket No.: EHF-13-1117

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**ASSIGNMENT**

For good and valuable consideration, I (We),

Matthias Sabathil,  
residing at Glasbläserstr. 2  
93059 Regensburg  
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citizen of Germany

Alexander Linkov,  
residing at Brauergasse 9  
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citizen of Russian Federation

Christopher Kölper,  
residing at Liskircherstr. 11  
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Martin Straßburg,  
residing at Frankenstr. 10  
93093 Donaustauf  
Germany  
citizen of Germany

Norwin von Malm,  
residing at Stockloher Str. 8  
93152 Nittendorf  
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

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(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: OPTOELECTRONIC SEMICONDUCTOR CHIP AND METHOD  
FOR THE PRODUCTION THEREOF

Filing Date: 05/03/2013

Filing Number: 13/883,346

Internal Case Number(s): EHF-13-1117 ✓

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.

Konrad Lauth  
Witness Signature

Matthias Sabathil  
Matthias Sabathil

Harald Lauth  
printed name of witness

May 16<sup>th</sup>, 2013  
Date

Bleicher  
Witness Signature

Alexander Linkov  
Alexänder Linkov

Thomas Bleicher  
printed name of witness

May 16<sup>th</sup>, 2013  
Date

Mergel Stefan  
Witness Signature

Christopher Köpfer  
Christopher Köpfer

Mergel Stefan  
printed name of witness

June 6<sup>th</sup>, 2013  
Date

Martin Mandl  
Witness Signature

Martin Straßburg  
Martin Straßburg

MARTIN MANDL  
printed name of witness

May 16<sup>th</sup>, 2013  
Date

Andreas Plöchl  
Witness Signature

Nörwin von Malm  
Nörwin von Malm

Andreas Plöchl  
printed name of witness

May 17<sup>th</sup>, 2013  
Date

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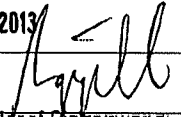
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Companies Representative(s)  
OSRAM Opto Semiconductors GmbH

Signature   
Name Aldo Kampfer  
President & CEO

Date 17 MAY 2013

Signature   
Name Josef Ringsgwardt  
CFO

Date 16 MAY 2013