

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2732476

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>STEPHAN HASLBECK</td> <td>11/20/2013</td> </tr> <tr> <td>MARKUS FOERSTE</td> <td>01/19/2014</td> </tr> <tr> <td>MICHAEL SCHWIND</td> <td>11/20/2013</td> </tr> <tr> <td>MARTIN HAUSHALTER</td> <td>11/20/2013</td> </tr> <tr> <td>HUBERT HALBRITTER</td> <td>11/20/2013</td> </tr> <tr> <td>FRANK MÖLLMER</td> <td>11/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	STEPHAN HASLBECK	11/20/2013	MARKUS FOERSTE	01/19/2014	MICHAEL SCHWIND	11/20/2013	MARTIN HAUSHALTER	11/20/2013	HUBERT HALBRITTER	11/20/2013	FRANK MÖLLMER	11/25/2013
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<table border="1"> <tr> <td>Name:</td> <td>OSRAM OPTO SEMICONDUCTORS GMBH</td> </tr> <tr> <td>Street Address:</td> <td>LEIBNIZSTRASSE 4</td> </tr> <tr> <td>City:</td> <td>REGENSBURG</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>93055</td> </tr> </table>		Name:	OSRAM OPTO SEMICONDUCTORS GMBH	Street Address:	LEIBNIZSTRASSE 4	City:	REGENSBURG	State/Country:	GERMANY	Postal Code:	93055				
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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>14118367</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14118367										
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CORRESPONDENCE DATA															
Fax Number:	(215)656-2498														
Phone:	215-656-3381														
Email:	pto.phil@dlapiper.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	T. DANIEL CHRISTENBURY														
Address Line 1:	ONE LIBERTY PLACE														
Address Line 2:	1650 MARKET STREET, SUITE 4900														
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103														
ATTORNEY DOCKET NUMBER:	EHF-13-1500														

NAME OF SUBMITTER:	CAROL CONEY
Signature:	/cc/
Date:	02/19/2014
<p>Total Attachments: 28</p> <p>source=EHF-13-1500#page1.tif source=EHF-13-1500#page2.tif source=EHF-13-1500#page3.tif source=EHF-13-1500#page4.tif source=EHF-13-1500#page5.tif source=EHF-13-1500#page6.tif source=EHF-13-1500#page7.tif source=EHF-13-1500#page8.tif source=EHF-13-1500#page9.tif source=EHF-13-1500#page10.tif source=EHF-13-1500#page11.tif source=EHF-13-1500#page12.tif source=EHF-13-1500#page13.tif source=EHF-13-1500#page14.tif source=EHF-13-1500#page15.tif source=EHF-13-1500#page16.tif source=EHF-13-1500#page17.tif source=EHF-13-1500#page18.tif source=EHF-13-1500#page19.tif source=EHF-13-1500#page20.tif source=EHF-13-1500#page21.tif source=EHF-13-1500#page22.tif source=EHF-13-1500#page23.tif source=EHF-13-1500#page24.tif source=EHF-13-1500#page25.tif source=EHF-13-1500#page26.tif source=EHF-13-1500#page27.tif source=EHF-13-1500#page28.tif</p>	

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(P2011,0422 US E / 2011P09709WOUS)
Page 1 of 4

ASSIGNMENT

For good and valuable consideration, I (We),

Stephan Haslbeck,
residing at Frauenzeller Straße 33
93109 Wiesent
Germany
citizen of Germany

Markus Foerste,
residing at Bürgermeister-Schneider-Weg 110
85579 Neubiberg
Germany
citizen of Germany

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citizen of Germany

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citizen of Germany

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citizen of Germany

Frank Möllmer,
residing at Am Mühlgraben 4
93080 Matting bei Pentling
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

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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)

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Filing Date: 11/18/2013 (MM/DD/YYYY)

Filing Number: 14/118,367

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(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.

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Page 3 of 4

Hubert Halbritter
Witness Signature

Stephan Haslbeck
Stephan Haslbeck

Hubert Halbritter
printed name of witness

20.11.2013
Date

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printed name of witness

Date

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85579 Neubiberg
Germany
citizen of Germany

MF, 19.01.2019

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93161 Sinzing
Germany
citizen of Germany

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Stephan Haslbeck

printed name of witness

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Michael Schwind

Stephan Haslbeck
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OSRAM Opto Semiconductors GmbH

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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

Docket No.: EHF-13-1500
(P2011,0422 US E / 2011P09709WOUS)
Page 2 of 4

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: Optoelectronic device and method for producing optoelectronic devices

Filing Date: 11/18/2013 (MM/DD/YYYY)

Filing Number: 14/118,367

Internal Case Number(s): EHF-13-1500

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.

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(P2011,0422 US E / 2011P09709WOUS)
Page 3 of 4

Witness Signature

Stephan Haslbeck

printed name of witness

Date

Witness Signature

Markus Foerste

printed name of witness

Date

Witness Signature

Michael Schwind

printed name of witness

Date

Witness Signature

Martin Haushalter

printed name of witness

Date

Michael Schwind
Witness Signature

Hubert Halbritter
Hubert Halbritter

MICHAEL SCHWIND
printed name of witness

11/20/2013
Date

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Page 4 of 4

Witness Signature

Frank Möllmer

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

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Page 1 of 4

ASSIGNMENT

For good and valuable consideration, I (We),

Stephan Haslbeck,
residing at Frauenzeller Straße 33
93109 Wiesent
Germany
citizen of Germany

Markus Foerste,
residing at Bürgermeister-Schneider-Weg 110
85579 Neubiberg
Germany
citizen of Germany

Michael Schwind,
residing at Heckenweg 12
93161 Sinzing
Germany
citizen of Germany

Martin Haushalter,
residing at Eisenerzweg 14 b
93055 Regensburg
Germany
citizen of Germany

Hubert Halbritter,
residing at Am Arzberg 3
92345 Dietfurt
Germany
citizen of Germany

Frank Möllmer,
residing at Am Mühlgraben 4
93080 Matting bei Pentling
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Patent Application Title: Optoelectronic device and method for producing optoelectronic devices

Filing Date: 11/18/2013 (MM/DD/YYYY)

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Witness Signature

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printed name of witness

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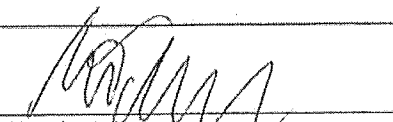
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Witness Signature

Stephan Herlbeck
printed name of witness


Frank Möllmer

25.11.13
Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature: _____
Name

Date

Signature _____
Name

Date

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Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Josef Ringsgwardt
CFO

Date

26 NOV 2013

Signature

Name

Frank Tillner
Executive Vice President
CEO

Date