

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>MARKUS PINDL</td> <td>08/20/2013</td> </tr> <tr> <td>SIMON JEREBIC</td> <td>09/18/2013</td> </tr> <tr> <td>TOBIAS GEBUHR</td> <td>08/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	MARKUS PINDL	08/20/2013	SIMON JEREBIC	09/18/2013	TOBIAS GEBUHR	08/23/2013		
Name	Execution Date										
MARKUS PINDL	08/20/2013										
SIMON JEREBIC	09/18/2013										
TOBIAS GEBUHR	08/23/2013										
RECEIVING PARTY DATA											
<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
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>13983853</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13983853						
Property Type	Number										
Application Number:	13983853										
CORRESPONDENCE DATA											
Fax Number: (215)656-2498 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 215-656-3381 Email: pto.phil@dlapiper.com 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-13-1247										
NAME OF SUBMITTER:	CAROL CONEY										
Signature:	/cc/										

Date:

10/03/2013

Total Attachments: 12

source=EHF-13-1247#page1.tif

source=EHF-13-1247#page2.tif

source=EHF-13-1247#page3.tif

source=EHF-13-1247#page4.tif

source=EHF-13-1247#page5.tif

source=EHF-13-1247#page6.tif

source=EHF-13-1247#page7.tif

source=EHF-13-1247#page8.tif

source=EHF-13-1247#page9.tif

source=EHF-13-1247#page10.tif

source=EHF-13-1247#page11.tif

source=EHF-13-1247#page12.tif

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Markus Pindl,
residing at Ringstr. 53 c
93105 Tegernheim
Germany
citizen of German

Simon Jerebic,
residing at Lutherstr. 15
93105 Tegernheim
Germany
citizen of Slovenia

Tobias Gebuhr,
residing at Guttensteinweg 4
93059 Regensburg
Germany
citizen of German

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

PATENT

REEL: 031335 FRAME: 0497

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 2 of 3

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 COMPONENT AND METHOD FOR PRODUCING AN OPTOELECTRONIC COMPONENT

Filing Date: 08/06/2013 (MM/DD/YYYY)

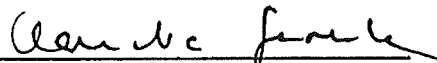
Filing Number: 13/983,853


Internal Case Number(s): EHF-13-1247

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


Markus Pindl

CLAUDIA JURENKA
printed name of witness

20th August 2013
Date

Docket No.: EHF-13-1247

P2011,0124 US N (JNHCE,PAA)

Page 3 of 3

Witness Signature

Simon Jerebic

printed name of witness

Date

Witness Signature

Tobias Gebuhr

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Markus Pindl,
residing at Ringstr. 53 c
93105 Tegernheim
Germany
citizen of German

Simon Jerebic,
residing at Lutherstr. 15
93105 Tegernheim
Germany
citizen of Slovenia

Tobias Gebuhr,
residing at Guttensteinweg 4
93059 Regensburg
Germany
citizen of German

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

PATENT

REEL: 031335 FRAME: 0500

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 2 of 3

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 COMPONENT AND METHOD FOR PRODUCING AN OPTOELECTRONIC COMPONENT

Filing Date: 08/06/2013 (MM/DD/YYYY)

Filing Number: 13/983,853

Internal Case Number(s): EHF-13-1247

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

Markus Pindl

printed name of witness

Date

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 3 of 3

Markus Pindle

Witness Signature

Markus Pindle

printed name of witness

Simon Jerébie

Simon Jerébie

18th of September 2013

Date

Witness Signature

Tobias Gebuhr

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Markus Pindl,
residing at Ringstr. 53 c
93105 Tegernheim
Germany
citizen of German

Simon Jerebic,
residing at Lutherstr. 15
93105 Tegernheim
Germany
citizen of Slovenia

Tobias Gebuhr,
residing at Gutfensteinweg 4
93059 Regensburg
Germany
citizen of German

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

PATENT

REEL: 031335 FRAME: 0503

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 2 of 3

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 COMPONENT AND METHOD FOR PRODUCING AN OPTOELECTRONIC COMPONENT

Filing Date: 08/06/2013 (MM/DD/YYYY)

Filing Number: 13/983,853

Internal Case Number(s): EHF-13-1247

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

Markus Pindl

printed name of witness

Date

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 3 of 3

Witness Signature

Simon Jerebic

printed name of witness

Date

Matthias K

Witness Signature

Tobias Gebuhr

Tobias Gebuhr

Matthias Knoerr

printed name of witness

23.08.2013

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

Docket No.: EHF-13-1247
P2011,0124 US N (JN/HCE,PAA)
Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Markus Pindl,
residing at Ringstr. 53 c
93105 Tegernheim
Germany
citizen of German

Simon Jerebic,
residing at Lutherstr. 15
93105 Tegernheim
Germany
citizen of Slovenia

Tobias Gebuhr,
residing at Gutfensteinweg 4
93059 Regensburg
Germany
citizen of German

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

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 2 of 3

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 COMPONENT AND METHOD FOR PRODUCING AN OPTOELECTRONIC COMPONENT

Filing Date: 08/06/2013 (MM/DD/YYYY)

Filing Number: 13/983,853

Internal Case Number(s): EHF-13-1247

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

Markus Pindl

printed name of witness

Date

Docket No.: EHF-13-1247

P2011,0124 US N (JN/HCE,PAA)

Page 3 of 3

Witness Signature

Simon Jerebic

printed name of witness

Date

Witness Signature

Tobias Gebuhr

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

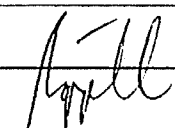
Name


Aldo Kampfer
President & CEO

Date

Signature

Name


Josef Hingsgwandl
CFO

Date

23 AUG 2013