

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>Alfred Lell</td> <td>03/14/2013</td> </tr> <tr> <td>Christoph Nelz</td> <td>03/14/2013</td> </tr> <tr> <td>Christian Rumbolz</td> <td>03/25/2013</td> </tr> <tr> <td>Stefan Hartauer</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alfred Lell	03/14/2013	Christoph Nelz	03/14/2013	Christian Rumbolz	03/25/2013	Stefan Hartauer	03/14/2013
Name	Execution Date										
Alfred Lell	03/14/2013										
Christoph Nelz	03/14/2013										
Christian Rumbolz	03/25/2013										
Stefan Hartauer	03/14/2013										
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>13821186</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13821186						
Property Type	Number										
Application Number:	13821186										
CORRESPONDENCE DATA											
<p>Fax Number: 9727329218 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 972-732-1001 Email: docketing@slater-matsil.com</p> <p>Correspondent Name: Slater & Matsil, L.L.P. Address Line 1: 17950 Preston Rd. Address Line 2: Suite 1000 Address Line 4: Dallas, TEXAS 75252</p>											
ATTORNEY DOCKET NUMBER:	OSR-111										
NAME OF SUBMITTER:	Courtney Danglade										
Signature:	/Courtney Danglade/										

PATENT

Date:

05/20/2013

Total Attachments: 9

source=PTO_OSR-111_Assignment_PTO#page1.tif

source=PTO_OSR-111_Assignment_PTO#page2.tif

source=PTO_OSR-111_Assignment_PTO#page3.tif

source=PTO_OSR-111_Assignment_PTO#page4.tif

source=PTO_OSR-111_Assignment_PTO#page5.tif

source=PTO_OSR-111_Assignment_PTO#page6.tif

source=PTO_OSR-111_Assignment_PTO#page7.tif

source=PTO_OSR-111_Assignment_PTO#page8.tif

source=PTO_OSR-111_Assignment_PTO#page9.tif

ASSIGNMENT

For good and valuable consideration, I (We),

Alfred Lell,
residing at Virchowstr. 19
93142 Maxhütte - Haidhof
Germany
citizen of Germany

Christoph Nelz,
residing at Bahnhofstraße 25
93109 Wiesent
Germany
citizen of Germany

Christian Rumbolz,
residing at Aussichtsweg 7
93138 Lappersdorf
Germany
citizen of Germany

Stefan Hartauer,
residing at Regensburger Str. 14
93195 Wolfsegg
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: Edge-Emitting Semiconductor Laser Diode and Method for Producing the Same

Filing Date: 09/07/2011 (MM/DD/YYYY)

Filing Number: 13/821,186

Internal Case Number(s): OSR-111


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;

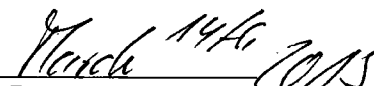
(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and 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

CHRISTOPH EICHLER
printed name of witness


Alfred Lell


Date


Witness Signature

Franz Eberhard
printed name of witness

Christoph Nelz
Christoph Nelz

March 14th 2013
Date

Witness Signature

printed name of witness

Christian Rumbolz

Date


Witness Signature

Jens Mully
printed name of witness

Stefan Hartauer
Stefan Hartauer

March 14th 2013
Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature
Name

Date

Signature
Name

Date

☐

ASSIGNMENT

For good and valuable consideration, I (We),

Alfred Lell,
residing at Virchowstr. 19
93142 Maxhütte - Haidhof
Germany
citizen of Germany

Christoph Nelz,
residing at Bahnhofstraße 25
93109 Wiesent
Germany
citizen of Germany

Christian Rumbolz,
residing at Aussichtsweg 7
93138 Lappersdorf
Germany
citizen of Germany

Stefan Hartauer,
residing at Regensburger Str. 14
93195 Wolfsegg
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: Edge-Emitting Semiconductor Laser Diode and Method for Producing the Same

Filing Date: 09/07/2011 (MM/DD/YYYY)

Filing Number: 13/821,186

Internal Case Number(s): OSR-111

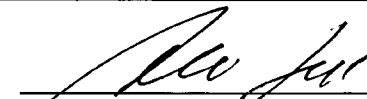
and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed 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;

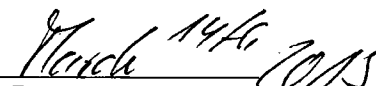
(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and 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

CHRISTOPH EICHLER
printed name of witness


Alfred Lell


Date

Witness Signature

Christoph Nelz

printed name of witness

Date

Sebastian Taeger

Witness Signature

Christian Rumbolz

Christian Rumbolz

SEBASTIAN TAEGER

printed name of witness

25 March 2013

Date

Witness Signature

Stefan Hartauer

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

☐

ASSIGNMENT

For good and valuable consideration, I (We),

Alfred Lell,
residing at Virchowstr. 19
93142 Maxhütte - Haidhof
Germany
citizen of Germany

Christoph Nelz,
residing at Bahnhofstraße 25
93109 Wiesent
Germany
citizen of Germany

Christian Rumbolz,
residing at Aussichtsweg 7
93138 Lappersdorf
Germany
citizen of Germany

Stefan Hartauer,
residing at Regensburger Str. 14
93195 Wolfsegg
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: Edge-Emitting Semiconductor Laser Diode and Method for Producing the Same

Filing Date: 09/07/2011 (MM/DD/YYYY)

Filing Number: 13/821,186

Internal Case Number(s): OSR-111

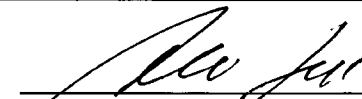
and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed 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;

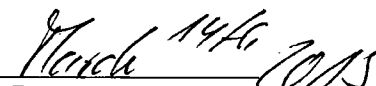
(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and 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

CHRISTOPH EICHLER
printed name of witness


Alfred Lell


Date

Witness Signature

Christoph Nelz

printed name of witness

Date

Witness Signature

Christian Rumbolz

printed name of witness

Date

Witness Signature

Stefan Hartauer

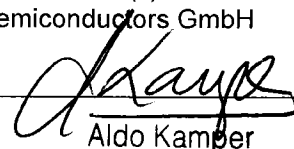
printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

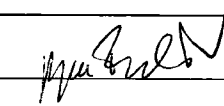


Aldo Kamber
President & CEO

Date
13 MAR 2013

Signature

Name



Frank Tillner
Executive Vice President
& COO

Date
13 MAR 2013