

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Christian Gartner</td> <td>06/27/2013</td> </tr> <tr> <td>Ales Markytan</td> <td>07/15/2013</td> </tr> <tr> <td>Albert Schneider</td> <td>06/26/2013</td> </tr> <tr> <td>Stephan Kaiser</td> <td>06/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Christian Gartner	06/27/2013	Ales Markytan	07/15/2013	Albert Schneider	06/26/2013	Stephan Kaiser	06/28/2013
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Christian Gartner	06/27/2013										
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Stephan Kaiser	06/28/2013										
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
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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>13995801</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13995801						
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Application Number:	13995801										
CORRESPONDENCE DATA											
<p>Fax Number: 2156562498 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>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</p>											
ATTORNEY DOCKET NUMBER:	EHF-13-1119										
NAME OF SUBMITTER:	Carol Coney										
Signature:	/cc/										

PATENT

Date:

08/08/2013

Total Attachments: 14

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P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Christian Gärtner,
residing at Kirchweg 13 h
93055 Regensburg
Germany
citizen of Germany

Ales Markytan,
residing at Kirchweg 13 e
93055 Regensburg
Germany
citizen of Czech Republic

Albert Schneider,
residing at Schlosstr. 34
93107 Thalmassing
Germany
citizen of Germany

Stephan Kaiser,
residing at Großprüfening 22 g
93049 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,

PATENT**REEL: 030966 FRAME: 0930**

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

Page 2 of 3

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 DEVICE

Filing Date: 06/19/2013

Filing Number: 13/995,801

Internal Case Number(s): EHF-13-1119

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

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Witness Signature



Christian Gärtner

DÖRTE GÄRTNER

printed name of witness

June 27th, 2013

Date

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

Page 1 of 3

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PATENT

REEL: 030966 FRAME: 0932

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Filing Date: 06/19/2013

Filing Number: 13/995,801

Internal Case Number(s): EHF-13-1119

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Witness Signature

Christian Gärtner

printed name of witness

Date


P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)
Docket No.: EHF-13-119
Page 3 of 3



Witness Signature

BRANDES

printed name of witness



Ales Markytan

15.7.2013

Date

Witness Signature

printed name of witness

Albert Schneider

Date

Witness Signature

printed name of witness

Stephan Kaiser

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

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REEL: 030966 FRAME: 0935

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

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Patent Application Title: OPTOELECTRONIC SEMICONDUCTOR DEVICE

Filing Date: 06/19/2013

Filing Number: 13/995,801

Internal Case Number(s): EHF-13-1119

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Witness Signature

Christian Gärtner

printed name of witness

Date

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

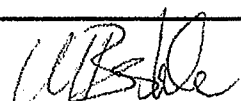
Page 3 of 3

Witness Signature

Ales Markytan

printed name of witness

Date



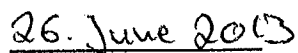
Witness Signature



Albert Schneider



printed name of witness



Date

Witness Signature

Stephan Kaiser

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature
Name

Date

Signature
Name

Date

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

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residing at Kirchweg 13 h
93055 Regensburg
Germany
citizen of Germany

Ales Markytan,
residing at Kirchweg 13 e
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citizen of Czech Republic

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PATENT

REEL: 030966 FRAME: 0938

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

Page 2 of 3

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Filing Date: 06/19/2013

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Page 3 of 3

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Ales Markytan

printed name of witness

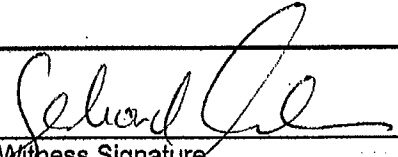
Date

Witness Signature


Albert Schneider

printed name of witness

Date


Witness Signature

GERHARD KUHN
printed name of witness


Stephan Kaiser

28th June 2013
Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature
Name

Date

Signature
Name

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PATENT**REEL: 030966 FRAME: 0941**

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Internal Case Number(s): EHF-13-1119

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

Christian Gärtner

printed name of witness

Date

P2010,1758 US N / 2010P20220WOUS (FNK/HBA,KRA)

Docket No.: EHF-13-119

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Witness Signature

Ales Markytan

printed name of witness

Date

Witness Signature

Albert Schneider

printed name of witness

Date

Witness Signature

Stephan Kaiser

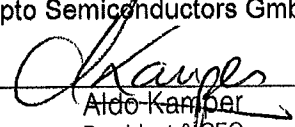
printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

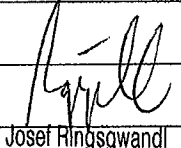

Aldo Kamber
President & CEO

Date

28 JUN 2013

Signature

Name


Josef Ringsgwandl
CFO

Date

01 JUL 2013