

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>Joachim Reill</td> <td>01/21/2013</td> </tr> <tr> <td>Georg Bogner</td> <td>01/23/2013</td> </tr> <tr> <td>Stefan Grotsch</td> <td>01/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Joachim Reill	01/21/2013	Georg Bogner	01/23/2013	Stefan Grotsch	01/21/2013
Name	Execution Date								
Joachim Reill	01/21/2013								
Georg Bogner	01/23/2013								
Stefan Grotsch	01/21/2013								
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>13808300</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13808300				
Property Type	Number								
Application Number:	13808300								
CORRESPONDENCE DATA									
Fax Number:	2156562498								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	EHF-12-1373								
NAME OF SUBMITTER:	Carol Coney								
Total Attachments: 8 source=EHF-12-1373#page1.tif									

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ASSIGNMENT

For good and valuable consideration, I (We),

Joachim Reill,
residing at Hauptstr. 40
93197 Zeitlarn
Germany
citizen of Germany

Georg Bogner,
residing at Am Sandbügel 12
93138 Lappersdorf
Germany
citizen of Germany

Stefan Grötsch,
residing at Waldstr. 6
93077 Bad Abbach
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: Light-Emitting Diode
Filing Date: 01/04/2013
Filing Number: 13/808,300
Internal Case Number: EHF-12-1373

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

Stefan Grötsch

printed name of witness

Date

Platz Ludwig

Witness Signature

Joachim Reill

Joachim Reill

Platz Ludwig

printed name of witness

21 January 2013

Date

ASSIGNMENT

For good and valuable consideration, I (We),

Joachim Reill,
residing at Hauptstr. 40
93197 Zeitlarn
Germany
citizen of Germany

Georg Bogner,
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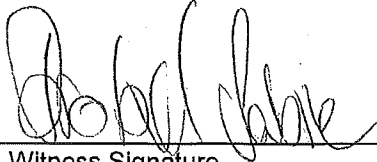
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P2010,1184 US N (THN/HT)

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Witness Signature

Sabine Fröbel

printed name of witness



Georg Bogner

23 - January 2013

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

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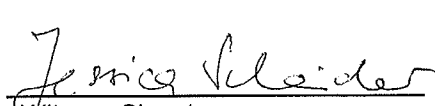
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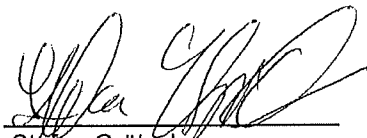
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Witness Signature



Stefan Grötsch

Jessica Schneider
printed name of witness

21st Jan 2013
Date

Witness Signature

Joachim Reill

printed name of witness

Date

ASSIGNMENT

For good and valuable consideration, I (We),

Joachim Reill,
residing at Hauptstr. 40
93197 Zeitlarn
Germany
citizen of Germany

Georg Bogner,
residing at Am Sandbügel 12
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PATENT**REEL: 029920 FRAME: 0404**

P2010,1184 US N (THN/HT)
Page 3 of 3

Witness Signature

Georg Bogner

printed name of witness

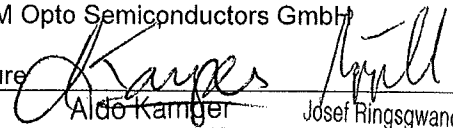
Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date



Aldo Kammer
President & CEO

Josef Ringsgwandl
CFO

23 JAN 2013

22 JAN 2013