

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>Andreas Barth</td> <td>11/29/2012</td> </tr> <tr> <td>Julius Muschaweck</td> <td>12/14/2012</td> </tr> <tr> <td>Uli Hiller</td> <td>11/19/2012</td> </tr> <tr> <td>Michael Sailer</td> <td>12/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Andreas Barth	11/29/2012	Julius Muschaweck	12/14/2012	Uli Hiller	11/19/2012	Michael Sailer	12/04/2012
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Andreas Barth	11/29/2012										
Julius Muschaweck	12/14/2012										
Uli Hiller	11/19/2012										
Michael Sailer	12/04/2012										
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>13695802</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13695802						
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CORRESPONDENCE DATA											
Fax Number: 2156562498 <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-12-1213										
NAME OF SUBMITTER:	Carol Coney										
Total Attachments: 15											

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Page 1 of 3

ASSIGNMENT

For good and valuable consideration, I (We),

Andreas Barth,
residing at Drosselweg 9
91220 Schnaittach
Germany
citizen of Germany

Julius Muschaweck,
residing at Zugspitzstr. 66
82131 Gauting
Germany
citizen of Germany

Dr. Uli Hiller,
residing at Am Schwimmbad 5
93077 Bad Abbach
Germany
citizen of Germany

Michael Sailer,
residing at Nachtwelde 5
93098 Wolfskofen
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 Leibnizstraße 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

PATENT**REEL: 029525 FRAME: 0670**

Docket No.: EHF-12-1213 / P2010.0913 US N

Page 2 of 3

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: Planar light guide and lighting device

Filing Date: 11/02/2012 (MM/DD/YYYY)


Filing Number: 13/695,802

Internal Case Number: EHF-12-1213

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



Andreas Barth

KARIN SCHICKLINSKI

printed name of witness

24. November 2012

Date

Sheet 12 of 15

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Page 3 of 3

Witness Signature

Julius Muschaweck

printed name of witness

Date

Witness Signature

Uli Hiller

printed name of witness

Date

Witness Signature

Michael Sailer

printed name of witness

DateCompanies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

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PATENT

REEL: 029525 FRAME: 0673

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Witness Signature

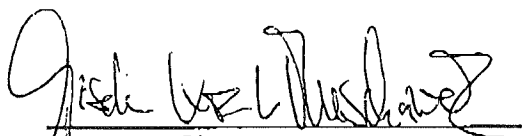
Andreas Barth

printed name of witness

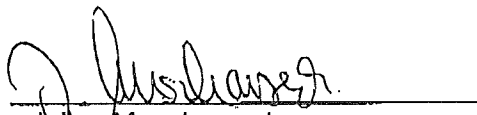
Date

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Page 3 of 3


Witness Signature

GISELA KRELL-MUSCHAWECK
printed name of witness


Julius Muschaweck

Dec. 14th, 2012
Date

Witness Signature

Uli Hiller

printed name of witness

Date

Witness Signature

Michael Sailer

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 3

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citizen of Germany

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PATENT**REEL: 029525 FRAME: 0676**

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Page 2 of 3

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Witness Signature

Andreas Barth

printed name of witness

Date

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Page 3 of 3

Witness Signature

Julius Muschaweck

printed name of witness

Date

Armin Wetterer

Witness Signature

Uli Hiller

Uli Hiller

Armin Wetterer

printed name of witness

November 19, 2012

Date

Witness Signature

Michael Sailer

printed name of witness

Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

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Andreas Barth,
residing at Drosselweg 9
91220 Schnaittach
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Witness Signature

Andreas Barth

printed name of witness

Date

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Page 3 of 3

Witness Signature

Julius Muschaweck

printed name of witness

Date

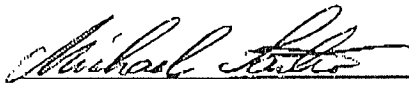
Witness Signature

Uli Hiller

printed name of witness

Date


Witness Signature


Michael Sailer

Brzycki Oliver
printed name of witness

04/12/2012
Date

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

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(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

Andreas Barth

printed name of witness

Date

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Witness Signature

Julius Muschaweck

printed name of witness

Date

Witness Signature

Uli Hiller

printed name of witness

Date

Witness Signature

Michael Sailer

printed name of witness

DateCompanies Representative(s)
OSRAM Opto Semiconductors GmbHSignature 

Name

Aldo Kamper
President & CEO

Date

15 NOV 2012

Signature 

Name

Josef Ringsgwandl
CFO

Date

15 NOV 2012