

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>Dirk Berben</td> <td>06/25/2012</td> </tr> <tr> <td>Matthias Bruemmer</td> <td>06/08/2012</td> </tr> <tr> <td>Ulrich Hartwig</td> <td>06/28/2012</td> </tr> <tr> <td>Nico Morgenbrod</td> <td>06/13/2012</td> </tr> <tr> <td>Matthias Morkel</td> <td>06/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dirk Berben	06/25/2012	Matthias Bruemmer	06/08/2012	Ulrich Hartwig	06/28/2012	Nico Morgenbrod	06/13/2012	Matthias Morkel	06/08/2012
Name	Execution Date												
Dirk Berben	06/25/2012												
Matthias Bruemmer	06/08/2012												
Ulrich Hartwig	06/28/2012												
Nico Morgenbrod	06/13/2012												
Matthias Morkel	06/08/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>OSRAM AG</td> </tr> <tr> <td>Street Address:</td> <td>Hellabrunner Str.1</td> </tr> <tr> <td>City:</td> <td>Muenchen</td> </tr> <tr> <td>State/Country:</td> <td>FEDERAL REPUBLIC GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>81543</td> </tr> </table>		Name:	OSRAM AG	Street Address:	Hellabrunner Str.1	City:	Muenchen	State/Country:	FEDERAL REPUBLIC GERMANY	Postal Code:	81543		
Name:	OSRAM AG												
Street Address:	Hellabrunner Str.1												
City:	Muenchen												
State/Country:	FEDERAL REPUBLIC GERMANY												
Postal Code:	81543												
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>13578834</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13578834								
Property Type	Number												
Application Number:	13578834												
CORRESPONDENCE DATA													
<p>Fax Number: 6178495451</p> <p>Phone: 617-275-2642</p> <p>Email: patint@vjp.de</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Viering, Jentschura & Partner - OSR</p> <p>Address Line 1: 3770 Highland Ave.</p> <p>Address Line 2: Suite 203</p> <p>Address Line 4: Manhattan Beach, CALIFORNIA 90266</p>													
ATTORNEY DOCKET NUMBER:	P50146US												
NAME OF SUBMITTER:	Karl J. Kolbinger												

CH \$40.00 13578834

Total Attachments: 9

source=50146US_assignment#page1.tif
source=50146US_assignment#page2.tif
source=50146US_assignment#page3.tif
source=50146US_assignment#page4.tif
source=50146US_assignment#page5.tif
source=50146US_assignment#page6.tif
source=50146US_assignment#page7.tif
source=50146US_assignment#page8.tif
source=50146US_assignment#page9.tif

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Dr.Dirk BERBEN
residing at:
Kirchender Dorfweg 36
58313 Herdecke,
GERMANY

Citizenship: DE

Dr.Matthias BRUEMMER
residing at:
Seestr. 8b
14789 Wusterwitz,
GERMANY

Citizenship: DE

Dr.Ulrich HARTWIG
residing at:
Driesener Str. 6
10439 Berlin,
GERMANY

Citizenship: DE

Nico MORGENBROD
residing at:
Wulfsheinstr. 2
10585 Berlin,
GERMANY

Citizenship: DE

Dr.Matthias MORDEL
residing at:
Clara-Grunwald-Str. 19
10317 Berlin,
GERMANY

Citizenship: DE

hereby sell, assign, and transfer to

OSRAM AG a German corporation organized and existing under the laws of GERMANY having its (their) principal place of business in München; GERMANY

hereinafter the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements which are disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2010P01953WOUS
and filed as PCT-application PCT/EP2010/068122

and entitled

(Title:) **Light source unit and projector having such a light source unit**

IDNR: 4248 / 06.06.2007

and in and to said application 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 any of the Contracting States bound by the PCT on the international filing date on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee(s), its (their) successor(s), assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee(s), its (their) successor(s), assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee(s), its (their) successor(s), assigns, and legal representatives; and

hereby covenant with said Assignee(s), its (their) successor(s), assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Dr. Dirk BERBEN

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)

Date: 08.06.12

Matthias Brummer
Dr. Matthias BRUEMMER

Witnesses: Nadir Farhatchian

Witnesses: Dr. W. G. J. J. J.

(printed name: Nadir Farhatchian) (printed name: _____)

Date: 08/June 2012Ulrich Hartwig
Dr. Ulrich HARTWIGWitnesses: M. GünterWitnesses: Ingo Schmidt(printed name: MARCO GÜNTER)(printed name: INGO SCHMIDT)Date: [REDACTED]Nico MorgenbrodWitnesses: [REDACTED]Witnesses: [REDACTED](printed name: [REDACTED])Date: 08/06/12Dr. Matthias MörkelWitnesses: S. ZillWitnesses: M. Kolodziejczyk(printed name: S. ZILL)(printed name: M. Kolodziejczyk)

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Dr.Dirk BERBEN
residing at:
Kirchender Dorfweg 36
58313 Herdecke,
GERMANY

Citizenship: DE

Dr.Matthias BRUEMMER
residing at:
Seestr. 8b
14789 Wusterwitz,
GERMANY

Citizenship: DE

Dr.Ulrich HARTWIG
residing at:
Driesener Str. 6
10439 Berlin,
GERMANY

Citizenship: DE

Nico MORGENBROD
residing at:
Wulfsheinstr. 2
10585 Berlin,
GERMANY

Citizenship: DE

Dr.Matthias MORDEL
residing at:
Clara-Grunwald-Str. 19
10317 Berlin,
GERMANY

Citizenship: DE

hereby sell, assign, and transfer to

<p>OSRAM AG a German corporation organized and existing under the laws of GERMANY having its (their) principal place of business in München; GERMANY</p>
--

hereinafter the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements which are disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2010P01953WOUS
and filed as PCT-application PCT/EP2010/068122

and entitled

(Title:) **Light source unit and projector having such a light source unit**

IDNR: 4248 / 06.06.2007

and in and to said application 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 any of the Contracting States bound by the PCT on the international filing date on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee(s), its (their) successor(s), assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee(s), its (their) successor(s), assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee(s), its (their) successor(s), assigns, and legal representatives; and

hereby covenant with said Assignee(s), its (their) successor(s), assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____

Dr. Dirk BERBEN

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)

Date: _____

Dr. Matthias BRUEMMER

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)

Date: _____

Dr. Ulrich HARTWIG

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: 13th June 2012_____
Nico MORGENBROD

Witnesses: _____

Witnesses: _____

(printed name: D. W. Sommer)(printed name: H. Schwarzenberger)

Date: _____

Dr. Matthias MORKEL

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

Dr.Dirk BERBEN
residing at:
Kirchender Dorfweg 36
58313 Herdecke,
GERMANY

Citizenship: DE

Dr.Matthias BRUEMMER
residing at:
Seestr. 8b
14789 Wusterwitz,
GERMANY

Citizenship: DE

Dr.Ulrich HARTWIG
residing at:
Driesener Str. 6
10439 Berlin,
GERMANY

Citizenship: DE

Nico MORGENBROD
residing at:
Wulfsheinstr. 2
10585 Berlin,
GERMANY

Citizenship: DE

Dr.Matthias MORDEL
residing at:
Clara-Grunwald-Str. 19
10317 Berlin,
GERMANY

Citizenship: DE

hereby sell, assign, and transfer to

OSRAM AG
a German corporation
organized and existing under the laws of
GERMANY
having its (their) principal place of business
in München; GERMANY

hereinafter the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements which are disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2010P01953WOUS
and filed as PCT-application PCT/EP2010/068122

and entitled

(Title:) **Light source unit and projector having such a light source unit**

and in and to said application 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 any of the Contracting States bound by the PCT on the international filing date on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee(s), its (their) successor(s), assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee(s), its (their) successor(s), assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee(s), its (their) successor(s), assigns, and legal representatives; and

hereby covenant with said Assignee(s), its (their) successor(s), assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 25.6.12

LDJ
Dr. Dirk BERBEN

Witnesses: Kud

Witnesses: F.J. Mues

(printed name: HELDKAMP)

(printed name: Mues)

Date: _____

Dr. Matthias BRUEMMER

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: _____

Dr. Ulrich HARTWIG

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)

Date: _____

Nico MORGENBROD

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)

Date: _____

Dr. Matthias MORTEL

Witnesses: _____

Witnesses: _____

(printed name: _____) (printed name: _____)