

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|---------------|--------------------------------|---------------------|---------------------|----------------|------------|----------------|------------|-------------------|------------|----------------|------------|-------------|------------|-------------------|------------|-------------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Franz EBERHARD</td><td style="padding: 5px;">08/20/2007</td></tr> <tr><td style="padding: 5px;">Stefan GROTSCH</td><td style="padding: 5px;">09/19/2007</td></tr> <tr><td style="padding: 5px;">Norbert LINDER</td><td style="padding: 5px;">09/12/2007</td></tr> <tr><td style="padding: 5px;">Jurgen MOOSBURGER</td><td style="padding: 5px;">08/20/2007</td></tr> <tr><td style="padding: 5px;">Klaus STREUBEL</td><td style="padding: 5px;">09/12/2007</td></tr> <tr><td style="padding: 5px;">Ralph WIRTH</td><td style="padding: 5px;">08/20/2007</td></tr> <tr><td style="padding: 5px;">Matthias SABATHIL</td><td style="padding: 5px;">08/16/2007</td></tr> <tr><td style="padding: 5px;">Julius MUSCHAWECK</td><td style="padding: 5px;">09/19/2007</td></tr> <tr><td style="padding: 5px;">Krister BERGENEK</td><td style="padding: 5px;">08/16/2007</td></tr> </tbody> </table> | | Name | Execution Date | Franz EBERHARD | 08/20/2007 | Stefan GROTSCH | 09/19/2007 | Norbert LINDER | 09/12/2007 | Jurgen MOOSBURGER | 08/20/2007 | Klaus STREUBEL | 09/12/2007 | Ralph WIRTH | 08/20/2007 | Matthias SABATHIL | 08/16/2007 | Julius MUSCHAWECK | 09/19/2007 | Krister BERGENEK | 08/16/2007 |
| Name | Execution Date | | | | | | | | | | | | | | | | | | | | |
| Franz EBERHARD | 08/20/2007 | | | | | | | | | | | | | | | | | | | | |
| Stefan GROTSCH | 09/19/2007 | | | | | | | | | | | | | | | | | | | | |
| Norbert LINDER | 09/12/2007 | | | | | | | | | | | | | | | | | | | | |
| Jurgen MOOSBURGER | 08/20/2007 | | | | | | | | | | | | | | | | | | | | |
| Klaus STREUBEL | 09/12/2007 | | | | | | | | | | | | | | | | | | | | |
| Ralph WIRTH | 08/20/2007 | | | | | | | | | | | | | | | | | | | | |
| Matthias SABATHIL | 08/16/2007 | | | | | | | | | | | | | | | | | | | | |
| Julius MUSCHAWECK | 09/19/2007 | | | | | | | | | | | | | | | | | | | | |
| Krister BERGENEK | 08/16/2007 | | | | | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20%; padding: 5px;">Name:</td><td style="padding: 5px;">OSRAM Opto Semiconductors GmbH</td></tr> <tr><td style="padding: 5px;">Street Address:</td><td style="padding: 5px;">Wernerwerkstrasse 2</td></tr> <tr><td style="padding: 5px;">City:</td><td style="padding: 5px;">Regensburg</td></tr> <tr><td style="padding: 5px;">State/Country:</td><td style="padding: 5px;">GERMANY</td></tr> <tr><td style="padding: 5px;">Postal Code:</td><td style="padding: 5px;">93049</td></tr> </table> | | Name: | OSRAM Opto Semiconductors GmbH | Street Address: | Wernerwerkstrasse 2 | City: | Regensburg | State/Country: | GERMANY | Postal Code: | 93049 | | | | | | | | | | |
| Name: | OSRAM Opto Semiconductors GmbH | | | | | | | | | | | | | | | | | | | | |
| Street Address: | Wernerwerkstrasse 2 | | | | | | | | | | | | | | | | | | | | |
| City: | Regensburg | | | | | | | | | | | | | | | | | | | | |
| State/Country: | GERMANY | | | | | | | | | | | | | | | | | | | | |
| Postal Code: | 93049 | | | | | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Property Type</th> <th style="padding: 5px;">Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Application Number:</td> <td style="padding: 5px;">11891783</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11891783 | | | | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | | | | | |
| Application Number: | 11891783 | | | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | | | | | |
| Fax Number: (212)972-5487 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 212-687-2770 Email: Docket@cplplaw.com Correspondent Name: Cohen Pontani Lieberman & Pavane LLP Address Line 1: 551 Fifth Avenue Address Line 4: New York, NEW YORK 10176 | | | | | | | | | | | | | | | | | | | | | |

CH \$40.00 11891783

500381696

PATENT
REEL: 020000 FRAME: 0099

| | |
|---|-----------------|
| ATTORNEY DOCKET NUMBER: | 5367-318 |
| NAME OF SUBMITTER: | /Thomas Langer/ |
| Total Attachments: 4 source=20071023152744#page1.tif source=20071023152744#page2.tif source=20071023152744#page3.tif source=20071023152744#page4.tif | |

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, **Franz EBERHARD, Stefan GRÖTSCH, Norbert LINDER, Jürgen MOOSBURGER, Klaus STREUBEL, Ralph WIRTH, Matthias SABATHIL, Julius MUSCHAWECK, Krister BERGENEK** (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to **OSRAM Opto Semiconductors GmbH** (hereinafter referred to as "ASSIGNEE"), a corporation of Germany, having a place of business at **Wernerwerkstrasse 2, 93049 Regensburg, Germany**, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and which is entitled

RADIATION EMITTING ELEMENT

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 all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or 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 said invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

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.

Date: 20th August 2007
month/day/year

Franz Eberhard
Franz EBERHARD

Ralph W. B. R.
Witness

A. B.
Witness

Date: 19th Sept 2007
month/day/year

Stefan Grotzsch
Stefan GROTSCH

[Signature]
Witness

[Signature]
Witness

Date: September 12, 2007
month/day/year

Norbert Linder
Norbert LINDER

J. W. M.
Witness
Klaus Streubel
Witness

Date: August 20th, 2007
month/day/year

Jürgen Moosburger
Jürgen MOOSBURGER
Alida Schind
Witness

Joachim Oberhuber
Witness

Date: September 12, 2007
month/day/year

Klaus Streubel
Klaus STREUBEL

Alida Wurm
Witness
Joel Briel
Witness

Date: August 20th, 2007
month/day/year

Ralph Wirth
Ralph WIRTH

Nicole Stamm
Witness
Simone Thaler
Witness

Date: 8/16/07
month/day/year

Matthias Sabathil
Matthias SABATHIL

A. Kubeck
Witness

Clara Schmid
Witness

Date: 09/19/07
month/day/year

Julius Muschaweck
Julius MUSCHAWECK

Walter H. H.
Witness

Walter H. H.
Witness

Date: 08/16/07
month/day/year

Krista Bergeneck
Krista BERGENECK

Walter H. H.
Witness

C. K. H.
Witness

Note: Signature of a witness is preferable, but not required.