

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Monika Pahlke</td> <td>01/20/2011</td> </tr> <tr> <td>Katrin Schroll</td> <td>01/21/2011</td> </tr> <tr> <td>Hartmut Billy</td> <td>01/25/2011</td> </tr> <tr> <td>Julius Augustin Muschaweck</td> <td>02/15/2011</td> </tr> </tbody> </table>		Name	Execution Date	Monika Pahlke	01/20/2011	Katrin Schroll	01/21/2011	Hartmut Billy	01/25/2011	Julius Augustin Muschaweck	02/15/2011
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<b>Name:</b>	OSRAM OPTO Semiconductors GmbH										
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)849-5451  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-275-2642        Email: vjp-us@vjp.de        Correspondent Name: Viering, Jentschura &amp; Partner        Address Line 1: 3770 Highland Ave.</p>											

CH \$40.00 12866465

**501447494**

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ATTORNEY DOCKET NUMBER: P44746US

NAME OF SUBMITTER: Karl J. Kolbinger

Total Attachments: 6  
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U.S. Patent Appln. No.: 12/866,465  
Filing Date: August 6, 2010

Docket No. P44746US

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

Assignor 1: Monika PAHLKE  
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Residence: Muenchen  
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Assignor 2: Katrin SCHROLL  
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Residence: Holzkirchen  
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Assignor 4: Julius Augustin MUSCHaweck  
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Hellabrunner Str. 1  
81543 Muenchen  
Federal Republic of Germany

OSRAM OPTO SEMICONDUCTORS GMBH  
Leibnizstr. 4  
93055 Regensburg  
Federal Republic of Germany

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
"LIGHTING MODULE, LAMP AND LIGHTING METHOD" for which:

a non-provisional application for United States Letters Patent:

☐ was executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney); or

☒ was filed on August 6, 2010 and accorded U.S. Serial No. 12/866,465; or

☐ will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, the attorneys associated with Customer No. \_\_\_\_\_, to insert below in this document this APPLICATION's U.S. Serial Number and filing date, when known:

U.S. Serial No. \_\_\_\_\_,

filed on \_\_\_\_\_.

WHEREAS, ASSIGNEE (listed above), a corporation of the Federal Republic of Germany is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said

invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

20.01.2011  
Date

Monika Pahlke  
Name 1<sup>st</sup> Inventor: Monika PAHLKE

U.S. Patent Appln. No.: 12/866,465  
Filing Date: August 6, 2010

Docket No. P44746US

21.01.2011  
Date

Katrin Schroll  
Name <sup>2<sup>nd</sup></sup> Inventor: Katrin SCHROLL

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25/01/11  
Date

H. Z. P.  
Name 3<sup>rd</sup> Inventor: Hartmut BILLY

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15. 2. 2011  
Date

  
Name 4<sup>th</sup> Inventor: Julius Augustin  
MUSCHaweck