

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2637908

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>HERIBERT ZULL</td> <td>09/23/2013</td> </tr> <tr> <td>KORBINIAN PERZLMAIER</td> <td>09/16/2013</td> </tr> <tr> <td>ANDREAS PLOESSL</td> <td>09/16/2013</td> </tr> <tr> <td>THOMAS VEIT</td> <td>09/11/2013</td> </tr> <tr> <td>MATHIAS KAEMPF</td> <td>10/14/2013</td> </tr> <tr> <td>JENS DENNEMARCK</td> <td>09/12/2013</td> </tr> <tr> <td>BERND BOEHM</td> <td>09/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	HERIBERT ZULL	09/23/2013	KORBINIAN PERZLMAIER	09/16/2013	ANDREAS PLOESSL	09/16/2013	THOMAS VEIT	09/11/2013	MATHIAS KAEMPF	10/14/2013	JENS DENNEMARCK	09/12/2013	BERND BOEHM	09/12/2013
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<table border="1"> <tr> <td>Name:</td> <td>OSRAM OPTO SEMICONDUCTORS GMBH</td> </tr> <tr> <td>Street Address:</td> <td>LEIBNIZSTR. 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:	LEIBNIZSTR. 4	City:	REGENSBURG	State/Country:	GERMANY	Postal Code:	93055						
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14002754</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14002754												
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Application Number:	14002754																
CORRESPONDENCE DATA																	
Fax Number:	(617)500-2499																
Phone:	617-500-2500																
Email:	INFO@ORPATENT.COM																
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																	
Correspondent Name:	OCCHIUTI & ROHLICEK LLP																
Address Line 1:	321 SUMMER ST.																
Address Line 4:	BOSTON, MASSACHUSETTS 02210																
ATTORNEY DOCKET NUMBER:	3B701-008US1																

CH \$40.00 14002754

NAME OF SUBMITTER:	MELISSA SIMPSON
Signature:	/Melissa Simpson/
Date:	12/05/2013
<b>Total Attachments: 10</b> source=3B701-008US1-Assignment#page1.tif source=3B701-008US1-Assignment#page2.tif source=3B701-008US1-Assignment#page3.tif source=3B701-008US1-Assignment#page4.tif source=3B701-008US1-Assignment#page5.tif source=3B701-008US1-Assignment#page6.tif source=3B701-008US1-Assignment#page7.tif source=3B701-008US1-Assignment#page8.tif source=3B701-008US1-Assignment#page9.tif source=3B701-008US1-Assignment#page10.tif	

**ASSIGNMENT**

For good and valuable consideration, I (We),

Heribert Zull,  
residing at Charles-Lindbergh-Str. 6  
93049 Regensburg  
Germany  
citizen of German

Korbinian Perzmaier,  
residing at Bischof-Konrad-Str. 2  
93051 Regensburg  
Germany  
citizen of German

Andreas Ploessl,  
residing at Johann-Igl-Weg 24  
93051 Regensburg  
Germany  
citizen of German

Thomas Veit,  
residing at Im Anger 93  
93098 Mintraching  
Germany  
citizen of German

Mathias Kaempf,  
residing at Richard-Wagner-Str. 52  
93133 Burglengenfeld  
Germany  
citizen of German

Jens Dennemarck,  
residing at Am Brennofen 54  
93055 Regensburg  
Germany  
citizen of German

Bernd Boehm,  
residing at Embacher Str. 14  
93083 Obertraubling  
Germany  
citizen of German

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: METHOD FOR SINGULATING A COMPONENT COMPOSITE ASSEMBLY  
Filing Date: 09/03/2013 (MM/DD/YYYY)  
Filing Number: 14/002,754  
Internal Case Number: 3B701-008US1

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 (II) 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.

Sebastian Teeyer  
Witness Signature

Heribert Zull  
Heribert Zull

Sebastian Teeyer  
printed name of witness

Sep. 23/4 2013  
Date

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Witness Signature

\_\_\_\_\_  
Korbinian Perzmaier

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Date

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Witness Signature

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Andreas Ploessl

\_\_\_\_\_  
printed name of witness

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Date

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Witness Signature

\_\_\_\_\_  
Thomas Veit

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Witness Signature

\_\_\_\_\_  
Heribert Zull

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
*Matthias Peter*

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
*Korbinian Perzmaier*

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Korbinian Perzmaier

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*Matthias Peter*

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
*September 16, 2013*

\_\_\_\_\_  
Date

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Witness Signature

\_\_\_\_\_  
Andreas Ploessl

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Thomas Veit

\_\_\_\_\_  
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Witness Signature

Heribert Zull

printed name of witness

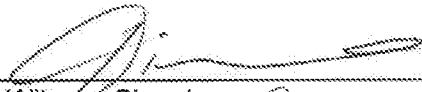
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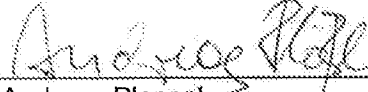
Korbinian Perzmaier

printed name of witness

Date



Witness Signature G



Andreas Ploesl

GEORG DIRSCHERL

printed name of witness

16th September 2013

Date

Witness Signature

Thomas Veit

printed name of witness

Date

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\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Heribert Zull

\_\_\_\_\_  
printed name of witness

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Date

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Witness Signature

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Korbinian Perzmaier

\_\_\_\_\_  
printed name of witness

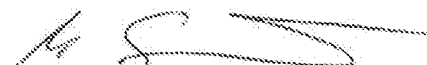
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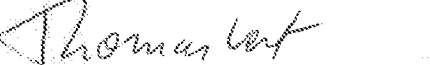
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Witness Signature

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Andreas Ploessl

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printed name of witness

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Witness Signature

  
\_\_\_\_\_  
Thomas Veit

*Michael Stockmeier*  
\_\_\_\_\_  
printed name of witness

*11 September 2013*  
\_\_\_\_\_  
Date



*[Handwritten Signature]*  
Witness Signature

G. Lindberg  
printed name of witness

*[Handwritten Signature]*  
Mathias Kaempf

2013 - October - 14  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Jens Dennemarck

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Bernd Boehm

\_\_\_\_\_  
Date

Companies Representative(s)  
OSRAM Opto Semiconductors GmbH

\_\_\_\_\_  
Signature  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature  
Name

\_\_\_\_\_  
Date

Witness Signature

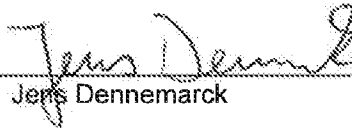
Mathias Kaempf

printed name of witness

Date



Witness Signature



Jens Dennemarck

H. Sebastian  
printed name of witness

12. September 2013  
Date

Witness Signature

Bernd Boehm

printed name of witness

Date

Companies Representative(s)  
OSRAM Opto Semiconductors GmbH

Signature

Name

Date

Signature

Name

Date

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Mathias Kaempf

\_\_\_\_\_  
printed name of witness

\_\_\_\_\_  
Date

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Witness Signature

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Jens Dennemarck

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printed name of witness

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Date

\_\_\_\_\_  
*S. Herrmann*  
Witness Signature

\_\_\_\_\_  
*Bernd Boehm*  
Bernd Boehm

\_\_\_\_\_  
*Sandra Herrmann*  
printed name of witness

\_\_\_\_\_  
*12. September 2013*  
Date

Companies Representative(s)  
OSRAM Opto Semiconductors GmbH

\_\_\_\_\_  
Signature  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature  
Name

\_\_\_\_\_  
Date

Witness Signature

Mathias Kaempf

printed name of witness

Date

Witness Signature

Jens Dennemarck

printed name of witness

Date

Witness Signature

Bernd Boehm

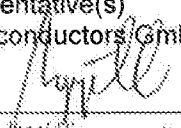
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Companies Representative(s)  
OSRAM Opto Semiconductors GmbH

Signature

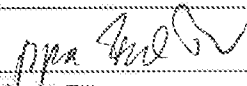
Name

  
Josef Ringsgwardt  
CFO

Date

Signature

Name

  
Frank Tillner  
Executive Vice President  
CFO

Date