

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>SIMON BLUMEL</td><td>10/23/2008</td></tr><tr><td>HUBERT OTT</td><td>10/24/2008</td></tr><tr><td>LUDWIG PLOETZ</td><td>10/22/2008</td></tr><tr><td>MARIO WANNINGER</td><td>11/07/2008</td></tr><tr><td>GUENTER KIRCHBERGER</td><td>10/23/2008</td></tr><tr><td>PETER WOLFF</td><td>10/22/2008</td></tr><tr><td>MARKUS ZEILER</td><td>11/07/2008</td></tr></tbody></table>	Name	Execution Date	SIMON BLUMEL	10/23/2008	HUBERT OTT	10/24/2008	LUDWIG PLOETZ	10/22/2008	MARIO WANNINGER	11/07/2008	GUENTER KIRCHBERGER	10/23/2008	PETER WOLFF	10/22/2008	MARKUS ZEILER	11/07/2008	
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MARKUS ZEILER	11/07/2008																
RECEIVING PARTY DATA																	
Name:	OSRAM OPTO SEMICONDUCTORS GMBH																
Street Address:	Leibnizstrasse 4																
City:	Regensburg																
State/Country:	GERMANY																
Postal Code:	93055																
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>12096848</td></tr></tbody></table>	Property Type	Number	Application Number:	12096848													
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CORRESPONDENCE DATA																	
Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: (617) 542-5070																	
Email: LYB@fr.com																	
Correspondent Name: Sean M. Dean																	
Address Line 1: FISH & RICHARDSON P.C.																	
Address Line 2: P.O.BOX 1022																	
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022																	
ATTORNEY DOCKET NUMBER:	12406-0302US1																

CH \$40.00 12096848

PATENT

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REEL: 021873 FRAME: 0794

NAME OF SUBMITTER:

Lakeisha Bryant

**Total Attachments: 8**

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**PATENT**

**REEL: 021873 FRAME: 0795**

ASSIGNMENT

For valuable consideration, we, SIMON BLÜMEL of Grabenstrasse 2, 84069 Schierling, Germany, HUBERT OTT of Am Kohlenschacht 25, 93077 Bad Abbach, Germany, LUDWIG PLOETZ of Zum Pommholz 24, 93473 Arnschwang, Germany, MARIO WANNINGER of Vorlandweg 4, 93055 Regensburg, Germany, GUENTER KIRCHBERGER of Waldstrasse 50, 93161 Sinzing, Germany, PETER WOLFF of Prüllstrasse 63, 93093 Donaustauf, Germany, MARKUS ZEILER of Am Kugelbaum 7, 93152 Nittendorf, Germany, hereby assign to: Osram Opto Semiconductors GmbH, a corporation of Germany having a place of business at:

Leibnizstrasse 4  
93055 Regensburg ✓  
Germany; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ILLUMINATION DEVICE, filed 6/10/2008, and assigned U.S. Serial Number 12/096,848; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: October 23<sup>rd</sup>, 2008

Simon Blümel  
SIMON BLÜMEL

Witnessed by:

Name: S. Blümel

Date: October 23<sup>rd</sup>, 2008

Name: R. Blümel

Date: October 23<sup>rd</sup>, 2008

Date: \_\_\_\_\_

\_\_\_\_\_  
HUBERT OTT

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
LUDWIG PLOETZ

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
SIMON BLÜMEL

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: October 24, 2008

  
\_\_\_\_\_  
HUBERT OTT

Witnessed by:

Name: Wodeberg

Date: October, 24th, 2008

Name: P.F.

Date: October, 24th, 2008

Date: \_\_\_\_\_

\_\_\_\_\_  
LUDWIG PLOETZ

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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SIMON BLÜMEL

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

HUBERT OTT

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: 22/10/2008

Pete Ludwig  
LUDWIG PLOETZ

Witnessed by:

Name: Wolff Peter

Date: 22/10/2008

Name: [Signature]

Date: 22/10/2008

Date: November 7, 2008

Mario Wanninger  
MARIO WANNINGER

Witnessed by:

Name: B. Hottel

Date: NOVEMBER 7, 2008

Name: Jela. Florian

Date: NOVEMBER 7, 2008

Date: \_\_\_\_\_

\_\_\_\_\_  
GUENTER KIRCHBERGER

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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\_\_\_\_\_  
PETER WOLFF

Witnessed by:

Name: \_\_\_\_\_

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\_\_\_\_\_  
MARIO WANNINGER

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: October 23, 2008

*Guenter Kirchberger*  
GUENTER KIRCHBERGER

Witnessed by:

Name: Kaan Alpaslan

Date: October 23, 2008

Name: Michael Mayer

Date: October 23, 2008

Date: \_\_\_\_\_

\_\_\_\_\_  
PETER WOLFF

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_



Date: \_\_\_\_\_

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MARIO WANNINGER

Witnessed by:

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GUENTER KIRCHBERGER

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: 22/10/2008

Wolff Peter  
PETER WOLFF

Witnessed by:

Name: Ed Stills

Date: 22.10.08

Name: HVP-e

Date: 22.10.08

Date: 7<sup>th</sup> November 2008

Markus Zeiler  
MARKUS ZEILER

Witnessed by:

Name: Karenina

Date: 7<sup>th</sup> Nov 08'

Name: Tatsuo Ishizaka

Date: 7<sup>th</sup> Nov 08'

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