PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the the spelling of Assignor's name previously recorded on Reel 027843 Frame 0253. Assignor(s) hereby confirms the the correct spelling of the inventor's name is "Joachim Hertkom".

CONVEYING PARTY DATA

Name	Execution Date
Matthias Peter	01/18/2012
Tobias Meyer	01/18/2012
Jurgen Off	01/18/2012
Tetsuya Taki	01/22/2012
Joachim Hertkorn	01/23/2012
Matthias Sabathil	01/18/2012
Ansgar Laubsch	01/29/2012
Andreas Biebersdorf	01/16/2012

RECEIVING PARTY DATA

Name:	OSRAM Opto Semiconductors GmbH
Street Address:	Leibnizstrasse 4
City:	Regensburg
State/Country:	GERMANY
Postal Code:	93055

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13383495

CORRESPONDENCE DATA

Fax Number:	(215)656-2498	
Phone:	215-656-3381	
Email:	Victorine.Meise@dlapiper.com,pto.phil@dlapiper.com	
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.		
Correspondent Name:	DLA Piper LLP (US)	
Address Line 1:	1650 Market Street, Siuite 4900	

\$40.00

CH

501852763

Address Line 2:IP GroupAddress Line 4:Philadelphia, PENNSYLVANIA 19103-7300		
ATTORNEY DOCKET NUMBER:	EHF-11-1445 (369254-111)	
NAME OF SUBMITTER:	Victorine B. Meise	
Total Attachments: 14 source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page3.tif source=AssignmentNoticeRecordation#page4.tif source=AssignmentNoticeRecordation#page5.tif source=AssignmentNoticeRecordation#page6.tif source=AssignmentNoticeRecordation#page6.tif source=AssignmentNoticeRecordation#page7.tif source=AssignmentNoticeRecordation#page8.tif source=AssignmentNoticeRecordation#page9.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page1.tif source=AssignmentNoticeRecordation#page12.tif source=AssignmentNoticeRecordation#page13.tif source=AssignmentNoticeRecordation#page13.tif		



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RECORDATION DATE: 03/12/2012

REEL/FRAME: 027843/0253 NUMBER OF PAGES: 10

DOC DATE: 01/18/2012

DOC DATE: 01/18/2012

DOC DATE: 01/18/2012

DOC DATE: 01/22/2012

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: EHF-11-1445

ASSIGNOR: PETER, MATTHIAS

ASSIGNOR: MEYER, TOBIAS

ASSIGNOR: OFF, JURGEN

ASSIGNOR: TAKI, TETSUYA

ASSIGNOR: M HERTKORN, JOACHIN

ASSIGNOR: SABATHIL, MATTHIAS

ASSIGNOR: LAUBSCH, ANSGAR DOC DATE: 01/23/2012 DOC DATE: 01/18/2012

DOC DATE: 01/29/2012

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV

ASSIGNOR: BIEBERSDORF, ANDREAS

DOC DATE: 01/16/2012

ASSIGNEE: OSRAM OPTO SEMICONDUCTORS GMBH LEIBNIZSTRASSE 4 REGENSBURG, GERMANY 93055

APPLICATION NUMBER: 13383495 PATENT NUMBER: ISSUE DATE: TITLE: ELECTRICALLY PUMPED OPTOELECTTRONIC SEMICONDUCTOR CHIP

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION



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PATENT ASSIGNMENT

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SUBMISSION TYPE	PE: NEW ASSIGNMENT			
NATURE OF CONV	EYANCE:	ASSIGNMENT		
CONVEYING PART	Y DATA			
	Nai	me	Execution Date	
Matthias Peter			01/18/2012	
Tobias Meyer			01/18/2012	
Jurgen Off			01/18/2012	
Tetsuya Taki			01/22/2012	
Joachin Hertkorn			01/23/2012	
Matthias Sabathil			01/18/2012	
Ansgar Laubsch			01/29/2012	
Andreas Biebersdorf		01/16/2012		
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Street Address:	Leibnizstrasse 4			
	Regensburg			
State/Country:	GERMANY			
Postal Code: 9	93055			

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PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number: 1338	3495	
CORRESPONDENCE DATA		
Fax Number:(215)656-2498Phone:215-656-3381Email:pto.phil@dlapiper.comCorrespondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.Correspondent Name:T. Daniel ChristenburyAddress Line 1:One Liberty PlaceAddress Line 2:1650 Market Street, Suite 4900Address Line 4:Philadelphia, PENNSYLVANIA 19103		
ATTORNEY DOCKET NUMBER:	EHF-11-1445	
NAME OF SUBMITTER:	Carol Coney	
Signature:	/cc/	
Date:	03/12/2012	
Total Attachments: 8 source=EHF-11-1445#page1.tif source=EHF-11-1445#page2.tif source=EHF-11-1445#page3.tif source=EHF-11-1445#page4.tif source=EHF-11-1445#page5.tif source=EHF-11-1445#page6.tif source=EHF-11-1445#page7.tif source=EHF-11-1445#page8.tif		
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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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Andreas Biebersdorf	01/16/2012

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Name:	OSRAM Opto Semiconductors GmbH	
Street Address:	Leibnizstrasse 4	
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State/Country:	GERMANY	
Postal Code:	93055	

REEL: 027865 FRAME: 0162

PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	13383495	
CORRESPONDENCE DATA Fax Number: (215)656-2498 Phone: 215-656-3381 Email: pto.phil@dlapiper.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: T. Daniel Christenbury Address Line 1: One Liberty Place Address Line 2: 1650 Market Street, Suite 4900 Address Line 4: Philadelphia, PENNSYLVANIA 19103		
NAME OF SUBMITTER:	BMITTER: Carol Coney	
Signature:	/cc/	
Date: 03/12/2012		
Total Attachments: 8 source=EHF-11-1445#page1.tif source=EHF-11-1445#page2.tif source=EHF-11-1445#page3.tif source=EHF-11-1445#page4.tif source=EHF-11-1445#page5.tif source=EHF-11-1445#page6.tif source=EHF-11-1445#page7.tif source=EHF-11-1445#page8.tif		

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EHF-11-1445 / P2009;1021 US N / (FNK/HBA)

ASSIGNMENT

WHEREAS, we, Matthias Peter, Tobias Meyer and Jürgen Off, citizens of Germany, Tetsuya Taki, a citizen of Japan, and Joachim Hertkorn, Matthias Sabathil, Ansgar Laubsch and Andreas Bicbersdorf, citizens of Germany, residing at Diepenbrockstraße 1, 93055 Regensburg, Germany, Gronsdorfer Weg 25, 93346 Ihrlerstein, Germany, Licblstraße 47, 93059 Regensburg, Germany, Nippa 790, Kohoku-ku, 223-0057 Yokohama, Japan, Bischof-Ketteler-Straße 21a, 93087 Alteglofsheim, Germany, Glasbläserstraße 2, 93055 Regensburg, Germany, Reichsstraße 15, 93055 Regensburg, Germany and Volcanusweg 12, 93055 Regensburg, Germany, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled ELECTRICALLY PUMPED OPTOELECTRONIC SEMICONDUCTOR CHIP, identified in International Application No. PCT/EP2010/059291, and in US Application No. 13/383,495, (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, OSRAM Opto Semiconductors GmbH, with offices located at Leibnizstraße 4, 93055 Regensburg, Germany (hereinafter referred to as "the assignee"), is desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territorics and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignce, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the date(s) set forth below.

1 of 2

ЕНГ-11-1445 / P2009,1021 US N / (FNK/НВА)

Date 1/23/2012 Date 1

Date

Date

Date

Tetsuya Taki Hertkorn

Matthias Sabathil

Ansgar Laubsch

Andreas Biebersdorf

• •

ASSIGNMENT

WHEREAS, we, Matthias Peter, Tobias Meyer and Jürgen Off, citizens of Germany, Tetsuya Taki, a citizen of Japan, and Joachim Hertkorn, Matthias Sabathil, Ansgar Laubsch and Andreas Biebersdorf, citizens of Germany, residing at Diepenbrockstraße 1, 93055 Regensburg, Germany, Gronsdorfer Weg 25, 93346 Ihrlerstein, Germany, Lieblstraße 47, 93059 Regensburg, Germany, Nippa 790, Kohoku-ku, 223-0057 Yokohama, Japan, Bischof-Ketteler-Straße 21a, 93087 Alteglofsheim, Germany, Glasbläserstraße 2, 93055 Regensburg, Germany, Reichsstraße 15, 93055 Regensburg, Germany and Volcanusweg 12, 93055 Regensburg, Germany, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled ELECTRICALLY PUMPED OPTOELECTRONIC SEMICONDUCTOR CHIP, identified in International Application No. PCT/EP2010/059291, and in US Application No. 13/383,495, (DLA Piper is authorized to insert the Serial No. when known),

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EXECUTED on the date(s) set forth below.

Date

Matchias Peter

Date

Tobias Meyer

Date

Jürgen Off

1 of 2

EHF-11-1445 / P2009,1021 US N / (FNK/HBA)

<u>22.01.2012</u> Date

Date

Date

Date

Date

Tetsuya Taki

Joachim Hertkorn

Matthias Sabathil

Ansgar Laubsch

Andreas Biebersdorf

ASSIGNMENT

WHEREAS, we, Matthias Peter, Tobias Meyer and Jürgen Off, citizens of Germany, Tetsuya Taki, a citizen of Japan, and Joachim Hertkorn, Matthias Sabathil, Ansgar Laubsch and Andreas Biebersdorf, citizens of Germany, residing at Diepenbrockstraße 1, 93055 Regensburg, Germany, Gronsdorfer Weg 25, 93346 Ihrlerstein, Germany, Lieblstraße 47, 93059 Regensburg, Germany, Nippa 790, Kohoku-ku, 223-0057 Yokohama, Japan, Bischof-Ketteler-Straße 21a, 93087 Alteglofsheim, Germany, Glasbläserstraße 2, 93055 Regensburg, Germany, Reichsstraße 15, 93055 Regensburg, Germany and Volcanusweg 12, 93055 Regensburg, Germany, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled ELECTRICALLY PUMPED OPTOELECTRONIC SEMICONDUCTOR CHIP, identified in International Application No. PCT/EP2010/059291, and in US Application No. 13/383,495, (DLA Piper is authorized to insert the Serial No. when known),

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EXECUTED on the date(s) set forth below.

Datc

Matthias Peter

Date

Tobias Meyer

Date

Jürgen Off

1 of 2

Date

Date

Date January 29th 2012 Date

Date

Tetsuya Taki

Joachim Hertkorn

Matthias Sabathil

Prusgar Laubsch Ansgar Laubsch

Andreas Biebersdorf

2 of 2

EHF-11-1445 / P2009,1021 US N / (FNK/HBA)

ASSIGNMENT

WHEREAS, wc, Matthias Pcter, Tobias Meyer and Jürgen Off, citizens of Germany, Tetsuya Taki, a citizen of Japan, and Joachim Hertkorn, Matthias Sabathil, Ansgar Laubsch and Andreas Biebersdorf, citizens of Germany, residing at Diepenbrockstraße 1, 93055 Regensburg, Germany, Gronsdorfer Weg 25, 93346 Ihrlerstein, Germany, Lieblstraße 47, 93059 Regensburg, Germany, Nippa 790, Kohoku-ku, 223-0057 Yokohama, Japan, Bischof-Ketteler-Straße 21a, 93087 Alteglofsheim, Germany, Glasbläserstraße 2, 93055 Regensburg, Germany, Reichsstraße 15, 93055 Regensburg, Germany and Volcanusweg 12, 93055 Regensburg, Germany, respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled ELECTRICALLY PUMPED OPTOELECTRONIC SEMICONDUCTOR CHIP, identified in International Application No. PCT/EP2010/059291, and in US Application No. 13/383,495, (DLA Piper is authorized to insert the Serial No. when known),

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Tobias Meyer

Date

Jürgen Off

1 of 2

EHF-11-1445 / P2009,1021 US N / (FNK/HBA)

Date

Date

Date

Date

January, 16 2, 2012 Date Tetsuya Taki

Joachim Hertkom

Matthias Sabathil

Ansgar Laubsch

Andreas Biebersdorf

2 of 2