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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6634479

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROLAND ENZMANN	09/05/2017
ROLAND SCHULZ	09/18/2017
MARKUS ARZBERGER	09/05/2017
MATTHIAS SABATHIL	10/06/2017
HUBERT HALBRITTER	09/05/2017
BERND BÖHM	09/07/2017
ANDREAS PLOESSL	09/06/2017
GEORG ROSSBACH	09/06/2017
FRANK SINGER	09/05/2017

RECEIVING PARTY DATA

Name:	OSRAM OPTO SEMICONDUCTORS GMBH
Street Address:	LEIBNIZSTR. 4
City:	REGENSBURG
State/Country:	GERMANY
Postal Code:	93055

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17219943

CORRESPONDENCE DATA

Fax Number: (215)656-3301

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ATTORNEY DOCKET NUMBER:	WAB-17-1395DIV/386863-218
NAME OF SUBMITTER:	LESLIE J. HOOD

SIGNATURE:	/LJH/	
DATE SIGNED:	04/01/2021	
Total Attachments: 25		
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ASSIGNMENT

For good and valuable consideration, I (We),

Dr. Roland Enzmann residing at Ostheim 1 93055 Regensburg Germany citizen of Germany

Dr. Markus <u>Arzberger</u> residing at 948 Buckeye Drive 94086 Sunnyvale California United States citizen of Germany

Dr. Hubert <u>Halbritter</u> residing at Am Arzberg 3 92345 Dietfurt-Toeging Germany citizen of Germany

Bernd <u>Böhm</u> residing at Embacherstr. 14 93083 Obertraubling Germany citizen of Germany

Andreas <u>Ploessl</u>
residing at Johann-Igl-Weg 24
93051 Regensburg
Germany
citizen of Germany

Roland <u>Schulz</u> residing at Bayerwaldstr. 33 93059 Regensburg Germany citizen of Germany

Dr. Georg Rossbach residing at Michael-Burgau-Str. 21 93049 Regensburg Germany citizen of Germany

Page 2 of 5

Frank Singer residing at Telemannstr. 104 93128 Regenstauf Germany citizen of Germany

Matthias <u>Sabathil</u> residing at Glasbläserstr. 2 93059 Regensburg Germany citizen of Germany

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: OPTISCH WIRKSAMES ELEMENT, VERFAHREN ZUR HERSTELLUNG EINES OPTISCH WIRKSAMEN ELEMENTS UND OPTOELEKTRONISCHES BAUELEMENT

Filing Date: 09/01/2017 Filing Number: 15/693,531

Internal Case Number(s): WAB-17-1395

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

Page 3 of 5

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 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.

Witness Signature	Dr. Roland Enzmann
Chartene Tonnor printed name of witness	9/5/2017 Date
Witness Signature	Dr. Hubert Halbritter
printed name of witness	Date
Witness Signature	Dr. Markus Arzberger
printed name of witness	Date

Page 4 of 5

Witness Cimpature	Andreas Ploessl
Witness Signature	Aldreas Floesal
	·
printed name of witness	Date
	Polad SQ
Witness Signature	Roland Schulz
Georg Ropbach printed name of witness	18- Sept-2017 Date
printed name of witness	Date
With and Simulatura	Dr. Georg Roßbach
Witness Signature	Dr. Georg Roisbach
	Deta
printed name of witness	Date
Witness Signature	Frank Singer
printed name of witness	Date
Witness Signature	Dr. Matthias Sabathil
printed name of witness	Date

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Witness Signature	Bernd Böhm
printed name of witness	Date
	Companies Representative(s) OSRAM Opto Semiconductors GmbH Signature
	Name Date
	Signature Name
	Date

Docket No.: / WAB-17-1395 Page 1 of 5

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Patent Application Title: OPTISCH WIRKSAMES ELEMENT, VERFAHREN ZUR HERSTELLUNG EINES OPTISCH WIRKSAMEN ELEMENTS UND

OPTOELEKTRONISCHES BAUELEMENT

Filing Date: 09/01/2017 Filing Number: 15/693,531

Internal Case Number(s): WAB-17-1395

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

Docket No.: / WAB-17-1395 Page 3 of 5

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 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.

Witness Signature	Dr. Roland Enzmann
printed name of witness	Date
Witness Signature	Dr. Hubert Halbritter
printed name of witness	Date
Paul Tou Witness Signature	Dr. Markus Arzberger
PAUL TA Sept. 05/2017 printed name of witness	05-60 Kmdo -2017 Date

Page 4 of 5

Witness Signature	Andreas Ploessl
printed name of witness	Date
Witness Signature	Roland Schulz
printed name of witness	Date
Witness Signature	Dr. Georg Roßbach
printed name of witness	Date
Witness Signature	Frank Singer
printed name of witness	Date
Witness Signature	Dr. Matthias Sabathil
printed name of witness	Oct. 6th 2017 Date

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Witness Signature	Bernd Böhm
printed name of witness	Date
	Companies Representative(s) OSRAM Opto Semiconductors GmbH Signature Name Date Signature Name Date

Docket No.: / WAB-17-1395 Page 1 of 5

ASSIGNMENT

For good and valuable consideration, I (We),

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Dr. Georg Rossbach residing at Mlchael-Burgau-Str. 21 93049 Regensburg Germany citizen of Germany

Page 2 of 5

Frank <u>Singer</u>
residing at Telemannstr. 104
93128 Regenstauf
Germany
citizen of Germany

Matthias <u>Sabathil</u> residing at Glasbläserstr. 2 93059 Regensburg Germany citizen of Germany

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Filing Date: 09/01/2017 Filing Number: 15/693,531

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Docket No.: / WAB-17-1395 Page 3 of 5

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(II) Agree that said Assignee may apply for 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.

Witness Signature	Dr. Roland Enzmann
printed name of witness Hullon Rullo Witness Signature	Date Hull Hulk Dr. Hubert Halbritter
TILMAN RUEGHEIMER printed name of witness	September 5th 2017 Date
Witness Signature	Dr. Markus Arzberger
printed name of witness	Date

Docket No.: / WAB-17-1395 Page 4 of 5

Witness Signature	Andreas Ploessl
printed name of witness	Date
Witness Signature	Roland Schulz
printed name of witness	Date
Witness Signature	Dr. Georg Roßbach
printed name of witness	Date
Witness Signature	Frank Singer
printed name of witness	Date
Witness Signature	Dr. Matthias Sabathil
printed name of witness	Date

Sandra Pol Bernd Böhm

Sandra Polm D7 September 2017

printed name of witness

Companies Representative(s)
OSRAM Opto Semiconductors GmbH

Signature
Name

Date

Signature
Name

Date

Docket No.: / WAB-17-1395

Page 5 of 5

Docket No.: / WAB-17-1395 Page 1 of 5

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For good and valuable consideration, I (We),

Dr. Roland Enzmann residing at Ostheim 1 93055 Regensburg Germany citizen of Germany

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Frank Singer residing at Telemannstr. 104 93128 Regenstauf Germany citizen of Germany

Matthias <u>Sabathil</u> residing at Glasbläserstr. 2 93059 Regensburg Germany citizen of Germany

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Witness Signature	Dr. Roland Enzmann
	Date
printed name of witness	Date
Witness Signature	Dr. Hubert Halbritter
,	
printed name of witness	Date
Witness Signature	Dr. Markus Arzberger
TTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	Dit illamas / viza elige.
printed name of witness	Date

Docket No.: / WAB-17-1395 Page 4 of 5

L. ller	Andrew Höll
Witness Signature	Andreas Ploessi /
printed name of witness	64 Lot. 2017 Date
Witness Signature	Roland Schulz
printed name of witness	Date
Witness Signature	Dr. Georg Roßbach
printed name of witness	Date
Witness Signature	Frank Singer
printed name of witness	Date
Witness Signature	Dr. Matthias Sabathil
printed name of witness	Date

Page 5 of 5

Witness Signature	Bernd Böhm
printed name of witness	Date
	Companies Representative(s) OSRAM Opto Semiconductors GmbH Signature
	Name Date
	Signature Name Date

Docket No.: / WAB-17-1395 Page 1 of 5

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Matthias <u>Sabathil</u> residing at Glasbläserstr. 2 93059 Regensburg Germany citizen of Germany

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: OPTISCH WIRKSAMES ELEMENT, VERFAHREN ZUR HERSTELLUNG EINES OPTISCH WIRKSAMEN ELEMENTS UND OPTOELEKTRONISCHES BAUELEMENT

Filing Date: 09/01/2017 Filing Number: 15/693,531

Internal Case Number(s): WAB-17-1395

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

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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 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.

Witness Signature	Dr. Roland Enzmann
printed name of witness	Date
Trail Type Witness Signature	Dr. Hubert Halbritter
FRANK SINGER printed name of witness	5th September 2017 Date
Witness Signature	Dr. Markus Arzberger
printed name of witness	Date

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Witness Signature	Andreas Ploessl
printed name of witness	Date
Witness Signature	Roland Schulz
printed name of witness	Date
Thomas Ninsell printed name of witness	Dr. Georg Roßbach GH. Sept. 2017 Date
Witness Signature	Frank Singer
Hubert Halbritter printed name of witness	5th Septem Sex 2017 Date
Witness Signature	Dr. Matthias Sabathil
printed name of witness	Date

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Witness Signature	Bernd Böhm
printed name of witness	Date
	Companies Representative(s) OSRAM Opto Semiconductors GmbH Signature Name Date Signature Name Date

PATENT REEL: 055793 FRAME: 0194

RECORDED: 04/01/2021