504457990 07/14/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4504691 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTIAN BEDER	06/30/2017
CHRISTOPH ZACZEK	06/29/2017
ERWIN GABER	07/05/2017
DIANA TONOVA	06/29/2017
MICHAEL SUNDERMANN	07/03/2017

RECEIVING PARTY DATA

Name:	Carl Zeiss Meditec AG	
Street Address:	Goeschwitzer Strasse 51-52	
City:	Jena	
State/Country:	GERMANY	
Postal Code:	07745	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15614122

CORRESPONDENCE DATA

Fax Number: (301)869-8929

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 301 869 8950

Email: wottesen@ottesen-ip.com **Correspondent Name:** WALTER OTTESEN P.A.

Address Line 1: P.O. 4026

Address Line 4: GAITHERSBURG, MARYLAND 20885-4026

ATTORNEY DOCKET NUMBER: 1461001US

NAME OF SUBMITTER: CHRISTIAN OTTESEN

SIGNATURE: /Christian Ottesen/

DATE SIGNED: 07/14/2017

Total Attachments: 5

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PATENT REEL: 043010 FRAME: 0305

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PATENT REEL: 043010 FRAME: 0306

Attorney Docket No. 1461001US

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Christian Beder of Nachtigallweg 18, 73434 Aalen, Germany, have invented certain new and useful improvements in <u>Optical Element and Method of Making an Optical Element</u> for which application serial no. <u>15/614,122</u> for United States Letters Patent was filed on <u>June 5, 2017</u>; and,

Whereas, Carl Zeiss Meditec AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Goeschwitzer Strasse 51-52, 07745 Jena, Germany (hereinafter referred to as ASSIGNEE), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have transferred unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, my full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under 35 USC 119 and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

I agree for myself and for my heir or heirs, executor and administrator to communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to me respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

I hereby authorize and request the United States Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Christian Beder NAME OF ASSIGNOR/INVENTOR Date: 1 Jan. 30, 2077

SIGNATURE OF ASSIGNOR/INVENTOR

PATENT REEL: 043010 FRAME: 0307

Attorney Docket No. 1461001US

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Christoph Zaczek of Im Sonnenfeld 19, 73540 Heubach, Germany, have invented certain new and useful improvements in <u>Optical Element and Method of Making an Optical Element</u> for which application serial no. <u>15/614,122</u> for United States Letters Patent was filed on <u>June 5</u>, 2017; and,

Whereas, Carl Zeiss Meditec AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Goeschwitzer Strasse 51-52, 07745 Jena, Germany (hereinafter referred to as ASSIGNEE), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have transferred unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, my full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under 35 USC 119 and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

I agree for myself and for my heir or heirs, executor and administrator to communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to me respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

I hereby authorize and request the United States Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Christoph Zaczek
NAME OF ASSIGNOR/INVENTOR

Date: X Jun. 29, 2017

SIGNATURE OF ASSIGNOR/INVENTOR

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Erwin Gaber of Osterholzstrasse 85, 89522 Heidenheim, Germany, have invented certain new and useful Improvements in <u>Optical Element and Method of Making an Optical Element</u> for which application serial no. <u>15/614,122</u> for United States Letters Patent was filed on <u>June 5, 2017</u>; and,

Whereas, Carl Zeiss Meditec AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Goeschwitzer Strasse 51-52, 07745 Jena, Germany (hereinafter referred to as ASSIGNEE), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have transferred unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, my full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under 35 USC 119 and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

I agree for myself and for my heir or heirs, executor and administrator to communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to me respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

I hereby authorize and request the United States Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Erwin Gaber NAME OF ASSIGNOR/INVENTOR Date: \Jul. 05,2017

SIGNATURE OF ASSIGNOR/INVENTOR

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Diana Tonova of Milanweg 29, 73434 Aalen, Germany, have invented certain new and useful improvements in Optical Element and Method of Making an Optical Element for which application serial no. 15/614,122 for United States Letters Patent was filed on June 5, 2017; and,

Whereas, Carl Zeiss Meditec AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Goeschwitzer Strasse 51-52, 07745 Jena, Germany (hereinafter referred to as ASSIGNEE), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have transferred unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, my full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under 35 USC 119 and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

I agree for myself and for my heir or heirs, executor and administrator to communicate to said ASSIGNEE, it's successors, assigns, nominees or other legal representatives, all facts known to me respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

I hereby authorize and request the United States Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be

Diana Tonova NAME OF ASSIGNOR/INVENTOR

Siana Tonova

PATENT

Date: x Jun, 29, 2017

REEL: 043010 FRAME: 0310

Attorney Docket No. 1461001US

ASSIGNMENT OF PATENT APPLICATION

Whereas, I, Michael Sundermann of Ebnater Hauptstrasse 23a, 73432 Aalen, Germany, have invented certain new and useful improvements in Optical Element and Method of Making an Optical Element for which application serial no. 15/614,122 for United States Letters Patent was filed on June 5, 2017; and,

Whereas, Carl Zeiss Meditec AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Goeschwitzer Strasse 51-52, 07745 Jena, Germany (hereinafter referred to as ASSIGNEE), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have transferred unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, my full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ASSIGNEE, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under 35 USC 119 and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

I agree for myself and for my heir or heirs, executor and administrator to communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to me respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and I further covenant and agree that I will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

I hereby authorize and request the United States Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to ASSIGNEE as the assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Michael Sundermann NAME OF ASSIGNOR/INVENTOR Date: 3 2072

SIGNATURE OF ASSIGNOR/INVENTOR

PATENT REEL: 043010 FRAME: 0311

RECORDED: 07/14/2017