

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RUTH HOUBERTZ	06/25/2018
MORITZ ESSLINGER	10/15/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MULTIPHOTON OPTICS GMBH
<b>Street Address:</b>	FRIEDRICH-BERGIUS-RING 15
<b>City:</b>	WÜRZBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	97076
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15751770
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	RICHARD A. PAIKOFF
<b>SIGNATURE:</b>	/Richard A. Paikoff/
<b>DATE SIGNED:</b>	12/09/2020
<b>Total Attachments: 4</b>	
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**ASSIGNMENT**

WHEREAS, the undersigned, **Ruth Houbertz**, a German citizen residing at Salvatorstrasse 17b, 97074 Wuerzburg, Germany; and **Moritz Esslinger**, a German citizen residing at Petrinistrasse 22, 97080 Wuerzburg (hereinafter referred to as "ASSIGNORS") are the inventors of certain inventions or improvements for **OPTICAL COMPONENT WITH BEAM DEFLECTION ELEMENT, METHOD FOR PRODUCTION THEREOF, AND BEAM DEFLECTION ELEMENTS SUITABLE FOR THE COMPONENT**, for which ASSIGNORS have disclosed and claimed in International Patent Application Number PCT/EP2016/068897 (filed August 8, 2016), which claims the priority of European Patent Application No. 15180448.1 (filed August 10, 2015), and for which a United States national phase patent application was filed on **February 9, 2018**, as U.S. Patent Application Number **15/751,770**; and

WHEREAS, **Multiphoton Optics GmbH**, a corporation of Germany having a mailing address of Friedrich-Bergius-Ring 15, 97076 Würzburg, Germany (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said invention or improvements and in and to said application for patent, including the right to file the application internationally and all rights to claim priority, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and in any and all other countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby freely acknowledged and intending to be legally bound, said ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, sale and transfer not been made.

AND the undersigned ASSIGNORS do hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith, and further covenant and agree that they will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agree to communicate to said ASSIGNEE or to its nominees all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns,

**PATENT****REEL: 054586 FRAME: 0939**

nominees and legal representatives to obtain and enforce, for its own benefit, proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all other countries;

AND ASSIGNORS do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNORS hereunto set their hand and seal, intending to be legally bound.

Date:

2018-06-25  
\_\_\_\_\_  
Ruth Houbertz

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

\_\_\_\_\_  
Moritz Esslinger

## A S S I G N M E N T

WHEREAS, the undersigned, **Ruth Houbertz**, a German citizen residing at Salvatorstrasse 17b, 97074 Wuerzburg, Germany; and **Moritz Esslinger**, a German citizen residing at Hohheckstr. 9, 71229 Leonberg, Germany (hereinafter referred to as "ASSIGNORS") are the inventors of certain inventions or improvements for **OPTICAL COMPONENT WITH BEAM DEFLECTION ELEMENT, METHOD FOR PRODUCTION THEREOF, AND BEAM DEFLECTION ELEMENTS SUITABLE FOR THE COMPONENT**, for which ASSIGNORS have disclosed and claimed in International Patent Application Number PCT/EP2016/068897 (filed August 8, 2016), which claims the priority of European Patent Application No. 15180448.1 (filed August 10, 2015), and for which a United States national phase patent application was filed on **February 9, 2018**, as U.S. Patent Application Number **15/751,770**; and

WHEREAS, **Multiphoton Optics GmbH**, a corporation of Germany having a mailing address of Friedrich-Bergius-Ring 15, 97076 Würzburg, Germany (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the said invention or improvements and in and to said application for patent, including the right to file the application internationally and all rights to claim priority, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and in any and all other countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby freely acknowledged and intending to be legally bound, said ASSIGNORS have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions, and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and its possessions and territories and in all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, sale and transfer not been made.

AND the undersigned ASSIGNORS do hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed and will not execute any agreement in conflict herewith, ~~and further covenant and agree that they will, each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent in said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and agree to communicate to said ASSIGNEE or to its nominees all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, and reissue applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns,~~

~~nominees and legal representatives to obtain and enforce, for its own benefit, proper patent protection for said inventions or improvements in the United States and its possessions and territories and in all other countries;~~

AND ASSIGNORS do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue to said ASSIGNEE the entire right, title and interest, in and to any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, ASSIGNORS hereunto set their hand and seal, intending to be legally bound.

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

\_\_\_\_\_  
Ruth Houbertz

Date: 15.10.2020

M. Essfinger  
Moritz Essfinger