PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Michael Zaiser | 07/06/2011 |

RECEIVING PARTY DATA

| Name: | Carl Zeiss AG | |
|-----------------|-----------------------|--|
| Street Address: | Carl-Zeiss-Strasse 22 | |
| City: | Oberkochen | |
| State/Country: | GERMANY | |
| Postal Code: | D-73447 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 10518994 | |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

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ATTORNEY DOCKET NUMBER: LO29-020

NAME OF SUBMITTER: D. Brent Kenady

Total Attachments: 4

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REEL: 026941 FRAME: 0863

OF \$40.00 10518994

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ASSIGNMENT NUNC PRO TUNC

PARTIES TO THE ASSIGNMENT:

INVENTOR:

Michael Zaiser Schelmenstr. 27 D-73560, Böbingen, Germany

ASSIGNEE:

Carl Zeiss AG Carl-Zeiss-Strasse 22 D-73447 Oberkochen, Germany

BACKGROUND OF THIS ASSIGNMENT:

Inventor has conceived certain new and useful inventions disclosed in a United States patent application entitled: *Method and Apparatus for Aligning Optical Elements*, United States patent application serial no. 10/518,994, filed June 26, 2003, now issued as Patent no. 7,749,051 on July 6, 2010.

Carl Zeiss AG (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

Moreover, by the signature below, the undersigned for Carl Zeiss SMT AG located at Carl-Zeiss-Strasse 22, D-73447 Oberkochen, Germany,

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PATENT REEL: 026941 FRAME: 0864 affirms the validity of this document and further affirms the company has no

right, title and interest in said inventions and with respect to any Letters

Patent that may be granted with respect to the inventions in both the United

States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

in consideration of good and valuable consideration, the receipt,

sufficiency and adequacy of which is hereby acknowledged, INVENTOR has

sold, assigned and transferred, and by these presents does hereby sell,

assign and transfer to ASSIGNEE the entire right, title and interest in the

above-identified inventions and application and to any reissues, renewals,

divisions or continuations of the application thereof, and hereby authorizes

the Commissioner of Patents and Trademarks to issue such Letters Patent

to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTOR further agrees to execute, at the request and expense of

ASSIGNEE, such other formal documents as may be required to fully convey

the interest transferred herein and will similarly execute any patent

application papers (domestic or foreign) required for the filing of any

divisional, continuation, renewal or reissue of the patent application or

resulting Letters Patent; and will generally do everything necessary or

desirable to obtain and enforce proper protection for the inventions assigned

hereby.

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INVENTOR further assigns to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent INVENTOR agrees to execute applications relating to the Convention. inventions in those countries and under those conventions where it is necessary that the same be executed by the INVENTOR, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent. INVENTOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

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| Dated: | : 14-06-11 | _ Signature: | Michael Zarser |
|--------|---------------|-----------------------------|--|
| Dated: | × 14,06.2011 | Signature: | WITNESSES: Ralf Meschenmoser |
| | | Address: | 73434 Devengen |
| Dated: | July 08, 2011 | Signature: | Carl Zeiss AG/ ppa. K. Gnatzig i. V. Dr. Böhmer |
| Dated: | 8 July, 2011 | Signature: Printed Name: | WITNESSES: Soroh Sperfeld! |
| | | Address: | Carl-79155-Straße 22 13447 Oberkachen |
| | | ****** | 1 |
| Dated: | 8 July 2011 | Signature: | Carl Zeiss SMT AG i. V. Dr. Zeiler i. V. K. Gnatzig (now doing business as Carl Zeiss SMT GmbH having changed their legal form on Oct. 14,2000 |
| | | | WITNESSES: |
| Dated: | 8 July 2011 | Printed Name: | S. Siperfeldt Sarah Sperfeldt Carl-Zeiss-Straße 22 33447 Cherkochen |

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