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OVER SHEET
ONLYAttorney Docket Number
861840-999030

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1. Name of conveying party(ies):

DAVE SHAFER AND SUSANNE BEDER

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: October 14, 2005

2. Name and address of receiving party(ies):

Name: CARL ZEISS SMT AG

Address: Carl-Zeiss-Strasse 22
73447 Oberkochen
Federal Republic of GermanyCountry (if other than USA):
Federal Republic of Germany Zip Code: 73447Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 11/219,594 filed September 1, 2005

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

JONES DAY
2882 Sand Hill Road, Suite 240
Menlo Park, CA 94025

6. Number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ 40.00
Please charge to the deposit account listed in Section 8.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James W. Peterson

26,057

Name of Person Signing

Reg. No.

Signature

December 21, 2005

Date

Total number of pages including cover sheet:

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CAJD: 521220.1

PATENT
REEL: 017365 FRAME: 0586

ASSIGNMENT

WHEREAS, WE, DAVE SHAFER AND SUSANNE BEDER, ASSIGNORS, citizens of the United States and Federal Republic of Germany, respectively,, residing at 56 Drake Lane, Fairfield, CT 06420 and Bradenburger Strasse 59, Aalen, Federal Republic of Germany 73431, respectively, are the inventors of the invention in PROJECTION OPTICAL SYSTEM AND METHOD for which we have executed an application for a Patent of the United States

☐ which is executed on ☐ even date herewith or ☐

☐ which is identified by Jones Day docket no.

☐ which was filed on , Application No.

☒ We hereby authorize and request our attorney(s), James W. Peterson, at Jones Day, 2882 Sand Hill Road, Suite 240, Menlo Park, CA 94025, to insert here in parentheses (Application number, 11/219,594 filed 09/01/05) the filing date and application number of said application when known.

and WHEREAS, CARL ZEISS SMT AG, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date October 14, 2005 David Shafer L.S.
Dave Shafer

Date _____, 2005 _____ L.S.
Susanne Beder

ASSIGNMENT

WHEREAS, WE, DAVE SHAFER AND SUSANNE BEDER, ASSIGNORS, citizens of the United States and Federal Republic of Germany, respectively,, residing at 56 Drake Lane, Fairfield, CT 06420 and Bradenburger Strasse 59, Aalen, Federal Republic of Germany 73431, respectively, are the inventors of the invention in PROJECTION OPTICAL SYSTEM AND METHOD for which we have executed an application for a Patent of the United States

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Date _____, 2005

L.S.

Dave Shafer

Date Oct 14th, 2005

Susanne Beder
Susanne Beder

L.S.