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U.S. DEPARTMENT OF COMMERCE
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OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissione

103176100

Attached original documents or copy thereof.

1. Name of conveying party(ies):

- a) Bernhard BACKS
- b) Joerg SCHAFFER
- c) Lutz SCHAEFER
- d) Martin VOELCKER

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other _____

a) June 6, 2005, b) April 25, 2005,
c) June 21, 2005 and

Execution Date: d) May 30, 2005, respectively

2. Name and address of receiving party(ies)

Name: Carl Zeiss Jena GmbH

Internal Address: _____

Street Address: Carl-Zeiss-Promenade 10

D-07745 Jena, GERMANY

City: _____ State: _____ Zip: _____

Additional 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)

10/533,067

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: REED SMITH LLP

Internal Address: c/o Gerald H. Kiel

E-mail: gkiel@reedsmith.com

Street Address: 599 Lexington Avenue

City: New York State: NY Zip: 10022-7650

6. Total number of applications and patents involved: ☒ 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
- ☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1529

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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.

Gerald H. Kiel - Reg. No. 25,116

Name of Person Signing

Signature

February 6, 2006

Date

Total number of pages including cover sheet, attachments, and documents: ☒ 3

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PATENT
REEL: 017533 FRAME: 0345

ASSIGNMENT - PATENT APPLICATION

UNITED STATES OF AMERICA

Whereas, I/We Bernhard Backs, Joerg Schaffer, Lutz Schaefer and Martin Voelcker of Uhlandstrasse 44, D-85386 Eching, Germany; Am Kalten Born 28, D-37085 Goettingen, Germany; 16-715 Doon Village Rd., Kitchener, Ontario N2P 2A2, Canada; and Zanger Hauptstr. 15, D-89551 Koenigsbroun-Zang, Germany, respectively (hereinafter "Assignor"), have invented certain new and useful improvements in METHOD FOR IMPROVING DEPTH DISCRIMINATION IN OPTICAL REPRODUCTION SYSTEMS for Letters Patent in the United States of America X is about to be filed; _____ has been filed.

And Whereas, Carl Zeiss Jena GmbH of Carl-Zeiss-Promenade 10, D-07745 Jena, Germany, (herein "Assignee") is/are desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor:

Now, Therefore, be it known by all whom it may concern, that for good and valuable consideration (the sufficiency of which is hereby acknowledged) the Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over unto the said Assignee for the territory of the United States of America, the full and exclusive right, title and interest in and to the said invention, as fully set forth and described in the specification.

A. prepared and executed on even date(s) herewith

B. filed in the U.S. Patent and Trademark Office under Serial No. _____ filed on _____ including any division, continuation, substitute or renewal application thereof; said invention, application and Letters Patent to be held and enjoyed by the said Assignee to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by the Assignor had this assignment and transfer not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent for said invention to said Assignee.

In testimony whereof, the Assignor has hereunto set his hand this

____ day of _____ 2005.

WITNESS:

Klaus Plösch

Werner Klein

Grafen

Abelganz Singer

INVENTOR(S):

Bernhard Backs 6.6.2005
Bernhard BACKS

Joerg Schaffer 25.4.05
Joerg SCHAEFFER

Lutz Schaefer 21.06.2005
Lutz SCHAEFER

Martin Voelcker 30.05.2005
Martin VOELCKER