

10-26-2004



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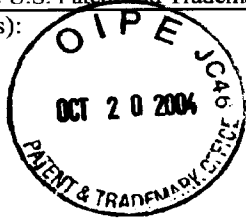
TEET

U.S. DEPARTMENT OF COMMERCE
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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Bernd KLEEMANN
 Stefan WEISSENRIEDER
 Jeffrey ERXMEYER
 Ralf KUSCHNEREIT

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



2. Name and address of receiving party(ies):
 CARL ZEISS LASER OPTICS GMBH
 Carl-Zeiss- Strasse 22
 73447 Oberkochen
 GERMANY

10-20-04

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 5, 2004, August 16, 2004,
 August 9, 2004 and August 23, 2004

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)
 10/885,411

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 SUGHRUE MION, PLLC
 WASHINGTON OFFICE
 23373
 CUSTOMER NUMBER

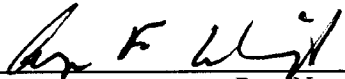
6. Total number of applications and patents involved:
 1

7. Total fee (37 CFR 3.41): \$40.00
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 Authorized to be charged to Deposit Account No. 19-4880.
 The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

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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.



 George F. Lehnigk Reg. No. 36,359

October 20, 2004

 Date

Total number of pages including cover sheet, attachments, and documents: 2
 Mail documents to be recorded with required cover sheet information to:
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10/25/2004 BBYRNE 00000071 10885411
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PATENT
REEL: 015912 FRAME: 0473

Assignment

Whereas, I/We, Bernd KLEEMANN, Stefan WEISSENRIEDER, Jeffrey ERXMEYER and Ralf KUSCHNEREIT of Aalen, GERMANY; Aalen, GERMANY; Oberkochen, GERMANY and Oberkochen, GERMANY, hereinafter called assignor(s), have invented certain improvements in

OPTICAL ARRANGEMENT, OPTICAL GRATING AND METHOD FOR THE MANUFACTURE OF SUCH AN OPTICAL GRATING

and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS LASER OPTICS GmbH, of Carl-Zeiss-Strasse 22, 73447 Oberkochen, GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/885,411, filed July 7, 2004) the application number and filing date of said application when known.

Date: 5 August 2004 Bernd Kleemann
s/Bernd KLEEMANN

Date: 16 August 2004 Stefan Weissenrieder
s/Stefan WEISSENRIEDER

Date: 9 August 2004 Jeffrey Erxmeier
s/~~Jeffrey~~ ERXMEYER
Jeffrey Erxmeier

Date: 23 August 2004 Ralf Kuschnerreit
s/Ralf KUSCHNEREIT

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)