

11-22-2002

SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of P.

102289806

e attached original documents or copy thereof

1. Name of conveying party(ies):

1. Karl-Heinz Schuster
2. David R. Shafer
3. Wilhelm Ulrich
4. Helmut Beierl
5. Wolfgang Singer

11-15-02

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

Name: Carl-Zeiss-Stiftung
Heidenheim/BrenzAddress: Carl Zeiss
73446 Oberkochen
Federal Republic of GermanyAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other | |

Execution Date: 1. 11 Nov 02
2. 21 Oct 02
3. 18 Oct 024. 16 Oct 02
5. 15 Oct 02Additional 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.
10/177,580

B. Patent No.

Additional numbers attached? ☐ Yes ☒ No

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

Name: Walter Ottesen
Patent AttorneyAddress: P.O. Box 4026
Gaithersburg, Maryland 20885-40266. 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:

15-0773

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Walter Ottesen

Name of Person Signing

Signature

November 15, 2002

Date

11/21/2002 DBYRNE 00000043 101.77580

01 FC:0021

40.00 OP

Total number of pages comprising cover sheet: 7Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

Whereas, We, KARL-HEINZ SCHUSTER of Rechbergstrasse 24, 89551 Königsbronn, Federal Republic of Germany, DAVID R. SHAFER of 56 Drake Lane, Fairfield, Connecticut 06430, United States of America, WILHELM ULRICH of Lederackerring 44, 73434 Aalen, Federal Republic of Germany, HELMUT BEIERL of Robert-Koch-Strasse 53, 89522 Heidenheim, Federal Republic of Germany, and WOLFGANG SINGER of Egerlandstrasse 45, 73431 Aalen, Federal Republic of Germany, have invented certain new and useful improvements in Projection Objective having Adjacently Mounted Aspheric Lens Surfaces for which application for United States Letters Patent has been executed on even date herewith, (said application having Attorney Docket No. 00120); and,

Whereas, CARL ZEISS SEMICONDUCTOR MANUFACTURING TECHNOLOGIES AG, organized and existing under the laws of the Federal Republic of Germany, having its principal office at Carl-Zeiss-Strasse 22, 73447 Oberkochen, Federal Republic of Germany (hereinafter referred to as ZEISS), is desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, we hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have transferred unto said ZEISS, its successors, assigns, nominees or other legal representatives, the full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ZEISS, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under the International Convention for the Protection of Industrial Property associated therewith and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application.

We agree for ourselves and for our heirs, executors and administrators to communicate to said ZEISS, its successors, assigns,

nominees or other legal representatives, all facts known to us respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuing or reissue applications or the procuring thereof, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ZEISS, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ZEISS, its successors, assigns, nominees or other legal representatives.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all Letters Patent which may be granted upon any of said applications, to said ZEISS as the Assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Witness:

Karl-Heinz Schuster

Date: _____

Witness:

Kerry A. Kiser

David R. Shafer
David R. Shafer

Date: October 21, 2002

Witness:

Wilhelm Ulrich

Date: _____

Witness:

Helmut Beierl

Date: _____

Witness:

Wolfgang Singer

Date: _____

ASSIGNMENT

Whereas, We, KARL-HEINZ SCHUSTER of Rechbergstrasse 24, 89551 Königsbronn, Federal Republic of Germany, DAVID R. SHAFER of 56 Drake Lane, Fairfield, Connecticut 06430, United States of America, WILHELM ULRICH of Lederackerring 44, 73434 Aalen, Federal Republic of Germany, HELMUT BEIERL of Robert-Koch-Strasse 53, 89522 Heidenheim, Federal Republic of Germany, and WOLFGANG SINGER of Egerlandstrasse 45, 73431 Aalen, Federal Republic of Germany, have invented certain new and useful improvements in Projection Objective having Adjacentlly Mounted Aspheric Lens Surfaces for which application for United States Letters Patent has been executed on even date herewith, (said application having Attorney Docket No. 00120); and,

Whereas, CARL ZEISS SEMICONDUCTOR MANUFACTURING TECHNOLOGIES AG, organized and existing under the laws of the Federal Republic of Germany, having its principal office at Carl-Zeiss-Strasse 22, 73447 Oberkochen, Federal Republic of Germany (hereinafter referred to as ZEISS), is desirous of obtaining Letters Patent for said invention in the United States;

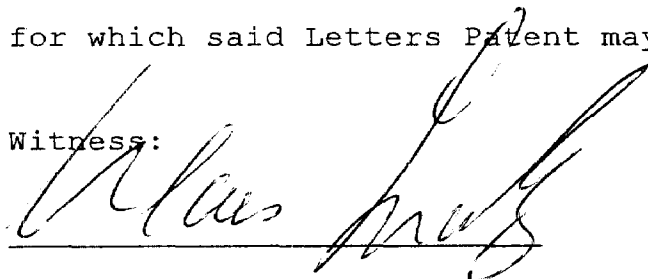
Now, therefore, we hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have transferred unto said ZEISS, its successors, assigns, nominees or other legal representatives, the full and exclusive right to said invention in the United States and have agreed to assign and transfer and do hereby assign and transfer unto said ZEISS, its successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under the International Convention for the Protection of Industrial Property associated therewith and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application.

We agree for ourselves and for our heirs, executors and administrators to communicate to said ZEISS, its successors, assigns,

nominees or other legal representatives, all facts known to us respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuing or reissue applications or the procuring thereof, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ZEISS, its successors, assigns, nominees or other legal representatives, either in its or their own name, to maintain and enforce any patent for said improvements without further consideration but at the expense of said ZEISS, its successors, assigns, nominees or other legal representatives.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all Letters Patent which may be granted upon any of said applications, to said ZEISS as the Assignee of the entire right, title and interest in and to the same, for its sole use and behoof; and for the use and behoof of its successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Witness:



Karl-Heinz Schuster
Karl-Heinz Schuster

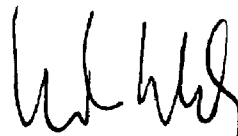
Date: 11. Nov 2002

Witness:

David R. Shafer

Date: _____

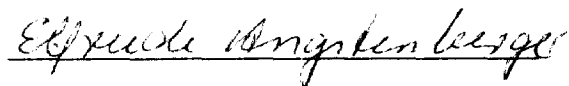
Witness:



Wilhelm Ulrich

Date: 18. Oct. 2002

Witness:

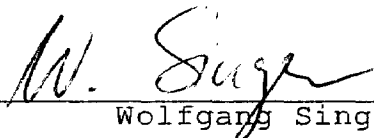




Helmut Beierl

Date: 16. Oct. 2002

Witness:



Wolfgang Singer

Date: 15. Oct. 2002