



To the Honorable Commissioner of Patents

101220990

Attached original documents or copy thereof

1. Name of conveying party(ies):

Johannes Wangler

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

Name: Carl-Zeiss-Stiftung
Heidenheim/Brenz

Address: Carl Zeiss
73446 Oberkochen
Federal Republic of Germany

10511 U.S. PTO
09/449415
11/29/99

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 11 Nov 99

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 09/449415

If this document is being filed together with a new application, the execution date of the application is: 11 Nov 99

A. Patent Application No.

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 Attorney

Address: P.O. Box 4026
Gaithersburg, Maryland 20885-4026

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:

15-0773

(Attach duplicate copy of this page if paying by 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.

Walter Ottesen

Name of Person Signing

Signature

November 26, 1999

Date

Total number of pages comprising cover sheet: 3

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

12/10/1999 TTON11 00000152 09449415

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ASSIGNMENT

Whereas, I, JOHANNES WANGLER of An der Reute 15, 89551 Königsbronn, Federal Republic of Germany, have invented certain new and useful improvements in Illuminating System for Vacuum Ultraviolet Microlithography for which application for United States Letters Patent has been executed on even date herewith, (said application having Attorney Docket No. 98047); and,

Whereas, CARL-ZEISS-STIFTUNG, Heidenheim-Brenz, a foundation organized and existing under the laws of the Federal Republic of Germany, doing business under the firm name CARL ZEISS, having its principal office at 73446 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, I hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I 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.

I agree for myself and for my heirs, executors and administrators to communicate to said ZEISS, its successors, assigns, nominees or other legal representatives, all facts known to me 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 I further covenant and agree that I 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.

I 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:

Luitta Probst

Johannes Wangler
Johannes Wangler

Date: *11/11/1999*