

MM 6-18-99

PTOPUS Rec'd 18 JUN 1999

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

- 1. Name of conveying parties: (1) Volker WITWER (2) Andreas GEORG (3) Wolfgang GRAF

06-29-1999



101079480

09/230062 [Signature]

- 2. Name and address of receiving party:

FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG e.V. Leonrodstr. 54 D-80636 Munchen GERMANY

- 3. Nature of conveyance:

X Assignment Merger Security Agreement Change of Name Other:

Execution Date(s): May 21, 1999; June 2, 1999; and June 4, 1999, respectively.

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

This document is being filed after filing of the application:

- (a) Patent Application No(s). 09/230,062, filed January 19, 1999; or (b) Patent No(s). [redacted], issued [redacted].

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

STAAS & HALSEY 700 Eleventh Street, N.W. Suite 500 Washington, D.C. 20001

Our Docket: 1384.1008/JDH

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

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

Enclosed X Authorized to be charged to deposit account.

- 8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)

- 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 D. Halsey, Jr. Registration No. 22,729 Name of Person Signing

Signature

June 18, 1999 Date

Total number of pages comprising cover sheet: 2

06/23/1999 PVOLPE 00000000 09230062 00 FD:501 40.00 DF

DO NOT USE THIS SPACE

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

Fraunhofer Gesellschaft zur Förderung
der angewandten Forschung a.V.
Lehrrodstr. 54. D-80638 München

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

GLAZING ELEMENT

relating to International Patent Application PCT/DE97/01338 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____: (Insert date of execution of application, if not concurrent)


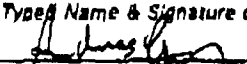


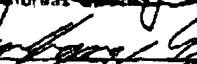

(b) filed on January 19, 1999
Serial No. _____:

Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1800) is hereby authorized to insert in (b) the specified date, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all oaths, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

| | (Typed Name & Signature of Inventor(s)) | (Date) | (Typed Name & Signature of Witness(es)) |
|----|--|-----------|--|
| 1) |  Volker WITTEBER | 21. 5. 99 |  |
| 2) |  Andreas GORIG | 2. 6. 99 |  |
| 3) |  Wolfgang GRAF | 4. 6. 99 |  |
| 4) | _____ | _____ | _____ |
| 5) | _____ | _____ | _____ |
| 6) | _____ | _____ | _____ |