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A/D 581 - 40

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DT15 Rec'd PCT/PTO 26 SEP 2003

102661143

1. Name of Conveying party(ies):

 PANZER, Siegfried
 BARTEL, Rainer
 DÄNHARDT, Jürgen

9.26.83

2. Name and address of receiving party(ies)

 Name: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER
ANGEWANDTEN FORSCHUNG E.V.

Internal Address: _____

Street Address: Leonrodstrasse 54, 80636 München, Germany

City: _____ State: _____ ZIP: _____

Additional name(s) and address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____
Execution Date: September 2, 2003

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

10471755

If this document is being filed together with a new application, the execution date of the application by the Assignors is: September 2, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Neil F. GreenblumInternal Address: P2411210/03/2003 SNAJARRD 00000149 1047175502 FC:8021 40.00 00Street Address: GREENBLUM & BERNSTEIN, P.L.C.1950 Roland Clarke PlaceCity: Reston State: VA ZIP: 201916. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

19-0089

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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.

Abrham Hershkovitz #45,294
 Neil F. Greenblum, Reg. No. 28,394

Name of Person Signing

Signature

September 26, 2003

Date

Total number of pages including cover sheet, attachments and document: 5
 Mail documents to be recorded with required cover sheet information to:
 Director of the United States Patent and Trademark office, Mail Stop Assignments
 PO Box 1450 Alexandria, Virginia 22313-1450

 PATENT
 REEL: 014941 FRAME: 0418

P24112.As1

ASSIGNMENT

WHEREAS, Siegfried PANZER, a citizen of Germany, whose post office address is Kipsdorfer Strasse 192, 01279 Dresden, Germany, Rainer BARTEL, a citizen of Germany, whose post office address is Stangestrasse 2, 01324 Dresden, Germany, and Jürgen DÄNHARDT, a citizen of Germany, whose post office address is Burkersdorfer Weg 21, 01189 Dresden, Germany, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

COLOR DICHOIC POLARIZERS AND METHOD FOR THE PRODUCTION THEREOF

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/DE02/00913, filed March 14, 2002.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Papernor, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043 and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, Fraunhofer-Gesellschaft Zur Förderung der Angewandten Forschung E.V., a corporation organized and existing under the laws of the Germany, whose post-office address is Leonrodstrasse 54, 80636 München, Germany, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all

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renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by Siegfried PANZER, this 2. day of September 2003, at (address)
DRESDEN

First Witness:

Regina Fülle
(Name)

2. Sept. 2003

(Date)

Siegfried Panzer
Siegfried PANZER

2. 9. 03
Date

Second Witness:

Anke Weber
(Name)

(Name)

2. Sept. 2003
(Date)

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IN TESTIMONY WHEREOF, this assignment is executed by Rainer BARTEL, this
2. day of September, 2003, at (address)
DRESDEN

First Witness:

Rainer Schiller
(Name)

2. Sept. 2003
(Date)

Rainer Bartel
02.09.03
Date

Second Witness:

Anke Weber
(Name)

2. Sept. 2003
(Date)

AUG. 29. 2003 1:00PM

GREENBLUM&BERNSTEIN

NO. 700

-P. 6/6-

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IN TESTIMONY WHEREOF, this assignment is executed by Jürgen DÄNHARDT,
this 2. day of September 2003, at (address)
DRESDEN

First Witness:

Regina Füll
(Name)

2. Sept. 2003
(Date)

Jürgen Dänhardt
Jürgen DÄNHARDT

2. Sept. 2003
Date

Second Witness:

Anke Hebes
(Name)

2. Sept. 2003
(Date)