

Atty. Docket No. OIC-1A

<div>FORM PTO-1619A Expires 06/30/99 OMB 0651-0027</div>	<div>U.S. Department of Commerce Patent and Trademark Office PATENT</div>
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Conveying Party(ies)

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Execution Date
Month Day Year
08142002

Name (line 1) SCHOTT OPTOVANCE, INC.

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) SCHOTT GLAS

Name (line 2)

Address (line 1) HATTENBERGSTRASSE 10

Address (line 2)

Address (line 3) MAINZ GERMANY D-55122
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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FORM PTO-1619B

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U.S. Department of Commerce
Patent and Trademark Office
PATENT**Correspondent Name and Address**

Area Code and Telephone Number (215) 568-6400

Name DAMON A NEAGLE

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Address (line 2) SUITE 400, ONE PENN CENTER

Address (line 3) 1617 JOHN F. KENNEDY BLVD.

Address (line 4) PHILADELPHIA, PA 19103

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

4

Application Number(s) or Patent Number(s)☒ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09707046

10001517

10040587

09854965

10017139

10052939

09921113

10040514

10114972

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

15

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 600.00

Method of Payment:

Deposit Account

Enclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 22-0493

Authorization to charge additional fees:

Yes

☒

No

☐**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. Charges to deposit account are authorized, as indicated herein.

Damon A. Neagle

Name of Person Signing

Reg. No. 44,964

Signature

August 22, 2002

Date

FORM PTO-1619C

Expires 06/30/99
OMB 0651-0027**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**U.S. Department of Commerce
Patent and Trademark Office
PATENT**Conveying Party(ies)**☐ Mark if additional names of conveying parties attached

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Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Name (line 2)

Receiving Party(ies)☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)**Application Number(s) or Patent Number(s)**☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)**Patent Number(s)**

10115541

60328649

10134266

10135257

10135264

60328215

ASSIGNMENT

Schott Optovance, Inc., a Delaware corporation, having its principal place of business at 15 Sandersdale Road, Southbridge, MA 01550-2855 (hereafter referred to as the undersigned), is the owner of the inventions disclosed in the applications for United States Letters Patent, Patent Cooperation Treaty International Applications and Foreign Patent Applications identified on the attached Schedule A.

Schott Glas, a German company, having a principal place of business at Hattenbergstrasse 10, D-55122 Mainz, Germany, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said inventions, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said inventions and all patent applications thereon, including, but not limited to, the Applications for United States Letters Patent, Patent Cooperation Treaty International Applications and Foreign Patent Applications identified on Schedule A, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention, and the right to damages for past infringement.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said inventions and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrants that the rights and property herein conveyed are free and clear of any encumbrance.

Schedule A

Applications for U.S. Letters Patent

Application No.	Filing Date	TITLE
09/707,046	November 6, 2000	FIBER OPTIC FACEPLATE
09/854,965	May 14, 2001	TRANSFORMING OPTICAL FIBER INTERCONNECT ARRAY
09/921,113	August 1, 2001	GRADED INDEX FIBER ARRAY, AND METHOD OF MANUFACTURE
10/001,517	October 25, 2001	AUTOMATED MANUFACTURING PROCESS FOR THE ASSEMBLY OF OPTICAL SHUFFLE ORDERED OPTIC FIBER ARRAYS
10/017,139	December 14, 2001	METHOD TO DESKEW PARALLEL OPTICAL LINKS
10/040,514	December 28, 2001	FIBER-BASED WAVELENGTH DE-MULTIPLEXER SYSTEM
10/040,587	December 28, 2001	THREE DIMENSIONAL PRISM IMAGE GUIDE SYSTEM FOR OPTICAL SIGNAL TRANSMISSION
10/052,939	October 29, 2001	METHOD OF TESTING OPTICAL FIBERS
10/114,972	April 3, 2002	METHOD AND ASSEMBLY FOR MOUNTING AT LEAST ONE OPTICAL FIBER
10/115,541	April 3, 2002	DEVICE AND METHOD FOR POSITIONING OPTICAL FIBERS
10/134,266	April 29, 2002	FIBER OPTIC ARRAY ASSEMBLY AND METHOD FOR MAKING THE SAME
10/135,257	April 30, 2002	USE OF SOL-GEL AS AN INORGANIC ADHESIVE FOR HIGH STABILITY, HERMETIC BONDING OF OPTICAL FIBER ALIGNMENT PLATE
10/135,264	April 30, 2002	USE OF SOL-GEL AS AN INORGANIC ADHESIVE FOR HIGH STABILITY, SELF ORGANIZING, FIBER OPTIC ARRAY
60/281,278	April 3, 2001	ATHERMAL FIBER ARRAY DESIGN
60/281,279	April 3, 2001	DEVICE AND METHOD FOR POSITIONING OPTICAL FIBERS
60/328,215	October 10, 2001	FIBER-BASED WAVELENGTH MULTIPLEXER AND DE-MULTIPLEXER SYSTEM
60/328,649	October 11, 2001	THREE DIMENSIONAL PRISM IMAGE GUIDE SYSTEM FOR OPTICAL SIGNAL TRANSMISSION

Schedule A

PCT International Applications

Application No.	Filing Date	TITLE
PCT/US01/45012	October 31, 2001	FIBER OPTIC FACEPLATE
PCT/US02/10452	April 3, 2002	DEVICE AND METHOD FOR POSITIONING OPTICAL FIBERS
PCT/US02/13465	April 30, 2002	USE OF SOL-GEL AS AN INORGANIC ADHESIVE FOR HIGH STABILITY, SELF ORGANIZING, FIBER OPTIC ARRAY
PCT/US02/13484	April 30, 2002	USE OF SOL-GEL AS AN INORGANIC ADHESIVE FOR HIGH STABILITY, HERMETIC BONDING OF OPTICAL FIBER ALIGNMENT PLATE
PCT/US02/13498	April 29, 2002	FIBER OPTIC ARRAY ASSEMBLY AND METHOD FOR MAKING THE SAME
PCT/US02/23751	July 26, 2002	GRADED INDEX FIBER ARRAY, AND METHOD OF MANUFACTURE

Foreign Patent Applications

Application No.	Filing Date	TITLE	Country
10217627.2	April 19, 2002	TRANSFORMING OPTICAL FIBER INTERCONNECT	Germany
02/04919	April 19, 2002	TRANSFORMING OPTICAL FIBER INTERCONNECT	France
0209008.2	April 19, 2002	OPTICAL INTERCONNECTION MEMBER	United Kingdom
2002-119686	April 22, 2002	TRANSFORMING OPTICAL FIBER INTERCONNECT	Japan

EXECUTED under seal on this 14th day of AUGUST
2002 at 15 Sandersdale Rd., Southbridge, MA.

Witness:

Danna Maini

A. Hagemann (L.S.)
Alexander Hagemann
President & CEO
Schott Optovance, Inc.

COMMONWEALTH OF
State of MASSACHUSETTS

ss.

County of Worcester

On this 14 day of August, 2002 before me personally appeared Alexander Hagemann, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

Notary Public

My Commission Expires:

September 26, 2008

Beverly G. Lott