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10-20-2003

ey Docket No. 019930-006000US

Form PTO-1595
(Rev. 10-02)
OMB No. 0651-0027 (exp. 5/31/2002)
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102577936

U.S. Department of Commerce
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies): 10-14-03
Robert T. Weverka, S. Christopher Alaimo, Dirk
Barthel, Edward Bortolini, Rainer Robert Iraschko,
George David Morley, Demetrios Stamatelakis

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: June 10, 2003, August 4, 2003, August 7,
2003, June 17, 2003, October 10, 2003, August 7, 2003,
September 30, 2003

2. Name and address of receiving party(ies)

Name: Network Photonics, Inc.

Internal Address:

Street Address: 4775 Walnut Street, Suite C

City: Boulder

State: CO

ZIP: 80301

Additional name(s) and 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(s): 10/306,826, Filed
November 26, 2002

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Rodney C. LeRoy
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(650) 326-2400

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: 20-1430

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

10/17/2003 DBYRNE 00000113 201430 10306826
01 FC:0021 40.00 DA

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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.

Rodney C. LeRoy
Name of Person Signing
Atty. Reg. No. 53,205

Rodney C. LeRoy
Signature

October 10, 2003
Date

Total number of pages including cover sheet, attachments and documents: 12

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the U.S. Patent and Trademark Office P.O. Box 1450 / Alexandria, VA 22313-1450 / 60057170 v1

PATENT
REEL: 014592 FRAME: 0690



ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Robert T. Weverka** of 735 43rd Street, Boulder, Colorado 80303, **S. Christopher Alaimo** of 1934 Grove Street, Boulder, Colorado 80302, **Dirk Barthel** of 3136 West 100th Avenue, Westminster, Colorado 80031, **Edward Bortolini** of 18 Shady Hollow, Nederland, Colorado 80466, **Rainer Robert Iraschko** of 170 Valley Ponds Crescent NW, Calgary, Alberta, Canada T2L 2G5, **George David Morley** 21 Tuscany Hills Bay NW, Calgary, Alberta, Canada T3L 2G5, and **Demetrios Stamatelakis** of 9987 Scurfield Drive NW, Calgary, Alberta, Canada T3L 1X1, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Optical Interconnection for Traffic Between a Pair of DWDM Rings

Filing Date: November 26, 2002

Application No.: 10/306,826; and

WHEREAS, NETWORK PHOTONICS, INC., a Delaware corporation, of 4775 Walnut Street, Suite C, Boulder, Colorado 80301, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

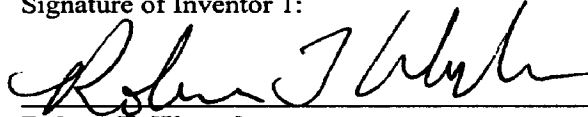
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent

applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: June 10, 2003

Signature of Inventor 1:


Robert T. Weverka

Date: August 4, 2003

Signature of Inventor 2:


S. Christopher Alaimo

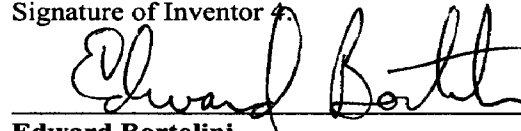
Date: _____

Signature of Inventor 3:

Dirk Barthel

Date: June 17, 2003

Signature of Inventor 4:


Edward Bortolini

Date: _____

Signature of Inventor 5:

Rainer Robert Iraschko

Date: _____

Signature of Inventor 6:

George David Morley

Date: _____

Signature of Inventor 7:

Demetrios Stamatelakis

ASSIGNMENT OF PATENT APPLICATION

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Title of Invention: Optical Interconnection for Traffic Between a Pair of DWDM Rings

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature of Inventor 1:

Date: _____

Robert T. Weverka

Signature of Inventor 2:

Date: _____

S. Christopher Alaimo

Signature of Inventor 3:

Date: 8/7/2003

Dirk Barthel

Signature of Inventor 4:

Date: _____

Edward Bortolini

Signature of Inventor 5:

Date: _____

Rainer Robert Iraschko

Signature of Inventor 6:

Date: _____

George David Morley

Signature of Inventor 7:

Date: _____

Demetrios Stamatelakis

Attorney Docket No. 019930-006000US
Client Reference No. PAT-01-043

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Client Reference No. PAT-01-043

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Robert T. Weverka

Signature of Inventor 2:

Date: _____

S. Christopher Alaimo

Signature of Inventor 3:

Date: _____

Dirk Barthel

Signature of Inventor 4:

Date: _____

Edward Bortolini

Signature of Inventor 5:

Date: Oct 10, 2003

Rainer Robert Iraschko
Rainer Robert Iraschko

Signature of Inventor 6:

Date: _____

George David Morley

Signature of Inventor 7:

Date: _____

Demetrios Stamatelakis

23252021 v1

ASSIGNMENT OF PATENT APPLICATION

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Dirk Barthel

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Date: _____

Edward Bortolini

Signature of Inventor 5:

Date: _____

Rainer Robert Iraschko

Signature of Inventor 6:

Date: Aug. 7, 2003



George David Morley

Signature of Inventor 7:

Date: _____

Demetrios Stamatelakis

23252021 v1

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Dirk Barthel

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Date: _____

Edward Bortolini

Signature of Inventor 5:

Date: _____

Rainer Robert Iraschko

Signature of Inventor 6:

Date: _____

George David Morley

Signature of Inventor 7:

Date: Sept 30, 2003



Demetrios Stamatelakis

23252021 v1