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## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: SEN102

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies): Gary Duerksen

11/03/00

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

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

Name: Seneca Networks, Inc.

Internal Address: Legal Department

Street Address: 30 West Gude Drive, Suite 200

City: Rockville,

State/Country: MD ZIP: 20850

3. Nature of conveyance:

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

Execution Date: November 3, 2000

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

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

If the document is being filed together with a new application, the execution date of the application is: Nov. 3, 2000

A. Patent Application No(s):

Filed:

09/704566

B. Patent No(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Seneca Networks, Inc.

Internal Address: Legal Department

Street Address: 30 West Gude Drive Suite 200

City: Rockville State: MD ZIP: 20850

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)..... \$40.00

☒ Enclosed (Check No. 1755)☐ Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

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.

Margaret A. Burke, Reg. No. 34,474

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: 2

CMB No. 0851-0011 (exp. 4/94)

11/06/2000 EFLORES 00000109 09704566

02 FC:581

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PATENT  
REEL: 011753 FRAME: 0500

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

(1) Gary Duerksen

(2) \_\_\_\_\_

(3) \_\_\_\_\_

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Seneca Networks, Inc.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

BIRECTIONAL WDM OPTICAL COMMUNICATION NETWORK WITH OPTICAL BRIDGE BETWEEN BIDIRECTIONAL OPTICAL WAVEGUIDES

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; or

(b) for which an application for United States Letters Patent was executed on November 3, 2000,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

AND the undersigned hereby grants Seneca Networks, Inc. legal representative, Margaret Burke, Reg. No. 34,474 the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Gary L. Duerksen  
Name: Gary Duerksen

Nov. 3, 2000

City/State: Montgomery  
State of Maryland  
Signed: 3rd  
Date: November 3, 2000  
By: Mary Elizabeth Foster Notary Public

My Comm. Exps. 3/3, 2001