


Docket No: 2994P

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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.

<p>1. Name of conveying party(ies): (in counterpart)</p> <p>(1) Hasnain RASHID (2) Masood AHMAD (3) Paddy VISHNUBHATT (4) Phyllis YIP (5) Jason C. FAN (6) Peter G. JONES (7) Saravanan R. COIMBATORE</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Luminous Networks, Inc.</p> <p>Street Address: 10460 Bubb Road</p> <p>City: Cupertino State: CA Zip: 95014</p> <p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment</p>	<p>Execution dates: (1) May 18, 2004 (5) May 18, 2004 (2) May 18, 2004 (6) May 18, 2004 (3) May 19, 2004 (7) May 18, 2004 (4) May 7, 2004</p>
<p>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...</p> <p>A. Patent Application No.(s) 10/745,763, filed December 23, 2003</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>B. Patent No.(s)</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Sawyer Law Group LLP Address: P.O. Box 51418 Palo Alto, CA 94303</p>	<p>6. Total number of applications and patents involved: One</p> <p>7. Total fee (37 CFR 3.41)..... \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 02-2120 (Sawyer Law Group LLP) (Attach duplicate copy of this page if paying by deposit account)</p>
<p>9. Statement and signature. <i>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.</i></p> <p>Michele Liu _____ Name of Person Signing</p>	<p> _____ Signature</p> <p>June 7, 2004 _____ Date</p>

Total number of pages including cover sheet, attachments, and documents: 3

CH \$40.00 022-120 10745763

Docket No: 2994P

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, Hasnain RASHID, Masood AHMAD, Paddy VISHNUBHATT, Phyllis YIP, Jason C. FAN, Peter G. JONES and Saravanan R. COIMBATORE, do hereby sell, assign, and transfer to: Luminous Networks, Inc., a corporation existing under the laws of the state of California, having a principal place of business at 10460 Bubb Road, Cupertino, CA 95014 ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for the United States Letters Patent,

- which has been executed by the undersigned concurrently herewith,
- which was filed on December 23, 2003 and assigned Serial No. 10/745,763,

and is entitled:

PATH ENGINE FOR OPTICAL NETWORK

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signed:

Name: H. Rashid

Date: 5/18/2004

Hasnain RASHID

Name: Masood Ahmad

Date: 5/18/2004

Masood AHMAD

Name: Paddy VishnuBHATT

Date: _____

Paddy VISHNUBHATT

Name: Phyllis YIP

Date: May 7, 2004

Phyllis YIP

Name: Jason C. Fan

Date: 5/18/2004

Jason C. FAN

Name: Peter G. Jones

Date: 5/18/2004

Peter G. JONES

Name: Saravanan R. Coimbatore

Date: 5/18/2004

Saravanan R. COIMBATORE

PATENT

REEL: 014703 FRAME: 0784

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, Hasnain RASHID, Masood AHMAD, Paddy VISHNUBHATT, Phyllis YIP, Jason C. FAN, Peter G. JONES and Saravanan R. COIMBATORE, do hereby sell, assign, and transfer to: Luminous Networks, Inc., a corporation existing under the laws of the state of California, having a principal place of business at 10460 Bubb Road, Cupertino, CA 95014 ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for the United States Letters Patent,

- which has been executed by the undersigned concurrently herewith,
- which was filed on December 23, 2003 and assigned Serial No. 10/745,763,

and is entitled:

PATH ENGINE FOR OPTICAL NETWORK

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signed:

Name: _____
Hasnain RASHID

Date: _____

Name: _____
Masood AHMAD

Date: _____

Name:  _____
Paddy VISHNUBHATT

Date: 5/19/04

Name: _____
Phyllis YIP

Date: _____

Name: _____
Jason C. FAN

Date: _____

Name: _____
Peter G. JONES

Date: _____

Name: _____
Saravanan R. COIMBATORE

Date: _____