



OMB No. 0651-0027 (exp. 5/31/2002)

TRADEMARK ONLY

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

1. Name of conveying party(ies):
 Mahi Networks, Inc. *06/26/02*

Individual(s) Association
 General Partnership Limited Partnership
 Corporation – Delaware
 Other

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

2. Name and address of receiving party(ies):
 Name: St. Paul Venture Capital VI, LLC
 Internal Address:
 Street Address: 10400 Viking Drive
 Suite 550
 City: Eden Prairie State: MN ZIP: 55344

Individual(s) citizenship
 Association
 General Partnership
 Limited Partnership
 Corporation - State
 Other

If assignee is not domiciled in the United States, a domestic representative designation is attached. Yes No
 (Designations must be a separate document from assignment)
 Additional name(s) of receiving party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date(s): June 7, 2002

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

A. Trademark Application No(s).

76/222,801	76/209,926	78/114,395
76/222,726	75/927,808	76/222,866
76/209,928	75/927,801	76/222,767
76/209,927	75/927,543	

Additional numbers attached? Yes No

B. Trademark No(s)

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

Name: Christopher R. Hilberg
 Internal Address: 3300 Plaza VII Building
 Street Address: 45 South Seventh Street
 City: Minneapolis State: MN ZIP: 55402
 Our File No.: 13734/167

6. Total number of applications and registrations involved: 11

7. Total Fee (37 CFR 3.41) \$290.00.
 Enclosed
 Authorized to be charged to deposit account
 Authorized to charge any underpayment or credit any overpayment to deposit account.

8. Deposit account number:
 50-1901
 (Attach duplicate copy of this page if paying by deposit account.)

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.

Christopher R. Hilberg, Reg. No. 48,740 *Christopher R Hilberg* June 19, 2002
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 15
 Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patent & Trademarks, Box Assignments
 Washington, D.C. 20231

07/09/2002 LMUELLER 00000008 501901 76222801
 01 FC:481 40.00 CH
 02 FC:482 250.00 CH

Additional Name of Receiving Parties

Rho Ventures IV (QP), L.P.
152 West 57th, 23rd Floor
New York, NY 10019

A Delaware Corporation

INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (“Agreement”) dated as of June 7, 2002, is made by and between MAHI NETWORKS, INC., a Delaware corporation (the “Debtor”), and ST. PAUL VENTURE CAPITAL VI, LLC, a Delaware limited liability company (“SPVC”), and RHO VENTURES IV (QP), L.P., a Delaware corporation (“RVLP”), (SPVC and RVLP are collectively referred to herein as the “Secured Parties”).

Recitals

The Debtor is indebted to the holders of certain secured convertible promissory notes dated of even date herewith in the aggregate original principal amount of \$15,000,000 issued in connection with a Note Purchase Agreement dated June 7, 2002 (the “Note Purchase Agreement”) among the Debtor, the Secured Parties and certain other lenders (collectively with the Secured Parties, the “Lenders”), together with any other secured convertible promissory notes issued pursuant to the terms of the Note Purchase Agreement (collectively, as the same may be amended, supplemented or restated from time to time, the “Convertible Notes”).

ACCORDINGLY, in consideration of the mutual covenants contained in the Note Purchase Agreement and herein, the parties hereby agree as follows:

1. Definitions. All terms defined in the Recitals hereto or in the Credit Agreement that are not otherwise defined herein shall have the meanings given to them therein. In addition, the following terms have the meanings set forth below:

“Obligations” means each and every debt, liability and obligation of every type and description which the Debtor may now or at any time hereafter owe to the Lenders, whether such debt, liability or obligation now exists or is hereafter created or incurred and whether it is or may be direct or indirect, due or to become due, or absolute or contingent, including, without limitation, all obligations under the Convertible Notes.

“Patents” means all of the Debtor’s right, title and interest in and to patents or applications for patents, including any provisional and non-provisional patent applications, issued patents, reissued patents, re-examinations, divisionals, continuations, continuation-in-parts thereof and any co-pending foreign patents or patent applications, fees or royalties with respect to each, and including, without limitation, the right to sue for past infringement and damages therefor, and licenses thereunder, all as presently existing or hereafter arising or acquired, including, without limitation, any patent application listed on Exhibit A, this list being non-exclusive.

“Trademarks” means all of the Debtor’s present and future right, title and interest in and to marks, including, but not limited to, all renewals thereof, all proceeds of infringement suits, the right to sue for past, present and future infringements and all rights corresponding thereto throughout the world, and the entire goodwill of the business associated with and symbolized by the marks, including, without limitation, the marks listed on Exhibit B, this list being non-exclusive.

2. Security Interest. The Debtor hereby irrevocably pledges and assigns to, and grants the Secured Parties a security interest, with power of sale to the extent permitted by law (the "Security Interest"), in the Patents and the Trademarks to secure payment of the Obligations. Upon the Secured Parties' request, the Debtor shall execute financing statements or other applicable documents covering the Patents and the Trademarks and take such other steps as are necessary to cooperate with the Secured Parties to perfect its security interest granted herein.

3. Representations, Warranties and Agreements. The Debtor hereby represents, warrants and agrees as follows:

(a) ***Existence; Authority.*** The Debtor is a corporation, having full power to and authority to make and deliver this Agreement. The execution, delivery and performance of this Agreement by the Debtor have been duly authorized by all necessary action of the Debtor's board of directors, and if necessary its stockholders, and do not and will not violate the provisions of, or constitute a default under, any presently applicable law or its certificate of incorporation or bylaws or any agreement presently binding on it. This Agreement has been duly executed and delivered by the Debtor and constitutes the Debtor's lawful, binding and legally enforceable obligation. The correct name of the Debtor is Mahi Networks, Inc. The authorization, execution, delivery and performance of this Agreement do not require notification to, registration with, or consent or approval by, any federal, state or local regulatory body or administrative agency.

(b) ***Patents.*** Exhibit A accurately lists all Patents and Patent applications owned or controlled by the Debtor as of the date hereof and accurately reflects the existence and status of registrations pertaining to such Patents and Patent applications as of the date hereof.

(c) ***Trademarks.*** Exhibit B accurately lists all Trademarks owned or controlled by the Debtor as of the date hereof and accurately reflects the existence and status of registrations pertaining to such Trademarks as of the date hereof. The Debtor further represents and warrants that:

- (i) The Trademarks are subsisting and have not been adjudged invalid or unenforceable;
- (ii) The Trademarks are valid and enforceable;
- (iii) No claim has been made that the use of any of the Trademarks does or may violate the rights of any third person;
- (iv) The Debtor has used, and will continue to use for the duration of this Agreement, proper statutory notice in connection with its use of the Trademarks; and
- (v) The Debtor has used, and will continue to use for the duration of this Agreement, consistent standards of quality of goods and services marked by the Trademarks.

(d) **Title.** The Debtor has absolute title to each Patent application listed on Exhibit A, and each Trademark listed on Exhibit B, free and clear of all security interests, liens and encumbrances, except the Security Interest granted herein, including, without limitation, pledges, assignments, licenses, registered user agreements and covenants by the Debtor not to sue third persons. The Debtor (i) will have, at the time the Debtor acquires any rights in Patents or Trademarks hereafter arising, absolute title to each such Patent or Trademark, free and clear of all security interests, liens and encumbrances, except the Security Interest, and (ii) will keep all Patents and Trademarks free and clear of all security interests, liens and encumbrances except the Security Interest granted herein.

(e) **No Sale.** The Debtor will not sell or otherwise dispose of the Patents or the Trademarks, or any interest therein, without the Secured Parties' prior written consent.

(f) **Defense.** The Debtor will at its own expense, and using its best efforts, protect and defend the Patents and the Trademarks against all claims or demands of all persons other than the Secured Parties.

(g) **Maintenance.** The Debtor will at its own expense maintain the Patents and the Trademarks to the extent reasonably advisable in its business, including, but not limited to, filing all applications to register and all affidavits and renewals possible with respect to issued registrations. The Debtor covenants that it will not abandon nor fail to pay any maintenance fee or annuity due and payable on any Patent or Trademark, nor fail to file any required affidavit in support thereof, without first providing the Secured Parties with (i) sufficient written notice to allow the Secured Parties to timely pay any such maintenance fees or annuity which may become due on any of said Patents or Trademarks, or to file any affidavit with respect thereto, and (ii) a separate written power of attorney or other authorization to pay such maintenance fees or annuities, or to file such affidavit, should such be necessary or desirable.

(h) **The Secured Parties' Right to Take Action.** If the Debtor fails to perform or observe any of its covenants or agreements set forth in this Section 3, and if such failure continues for a period of ten (10) calendar days after the Secured Parties give the Debtor written notice thereof (or, in the case of the agreements contained in subsection (g), immediately upon the occurrence of such failure, without notice or lapse of time), or if the Debtor notifies the Secured Parties that it intends to abandon a Patent or Trademark, the Secured Parties may (but need not) perform or observe such covenant or agreement on behalf of and in the name, place and stead of the Debtor (or, at the Secured Parties' option, in the Secured Parties' own names) and may (but need not) take any and all other actions which the Secured Parties may reasonably deem necessary to cure or correct such failure.

(i) **Costs and Expenses.** Except to the extent that the effect of such payment would be to render any loan or forbearance of money usurious or otherwise illegal under any applicable law, the Debtor shall pay the Secured Parties on demand the amount of all moneys expended and all costs and expenses (including reasonable attorneys' fees)

incurred by the Secured Parties in connection with or as a result of the Secured Parties' taking action under subsection (h) or exercising its rights under Section 6, together with interest thereon from the date expended or incurred by the Secured Parties at the highest rate then applicable to any of the Obligations.

(j) **Power of Attorney.** To facilitate the Secured Parties' taking action under subsection (h) and exercising its rights under Section 6, the Debtor hereby irrevocably appoints (which appointment is coupled with an interest) the Secured Parties, or their delegate, as the attorney-in-fact of the Debtor with the right (but not the duty) from time to time to create, prepare, complete, execute, deliver, endorse or file, in the name and on behalf of the Debtor, any and all instruments, documents, applications, financing statements, and other agreements and writings required to be obtained, executed, delivered or endorsed by the Debtor under this Section 3, or, necessary for the Secured Parties, after an Event of Default, to enforce or use the Patents or the Trademarks or to grant or issue any exclusive or non-exclusive license under the Patents or the Trademarks to any third party, or to sell, assign, transfer, pledge, encumber or otherwise transfer title in or dispose of the Patents or the Trademarks to any third party. The Debtor hereby ratifies all that such attorney shall lawfully do or cause to be done by virtue hereof. The power of attorney granted herein shall terminate upon the payment and performance of all of the Obligations.

4. **The Debtor's Use of the Patents and the Trademarks.** The Debtor shall be permitted to control and manage the Patents and the Trademarks, including the right to exclude others from making, using or selling items covered by the Patents and the Trademarks and any licenses thereunder, in the same manner and with the same effect as if this Agreement had not been entered into, so long as no Event of Default occurs and remains uncured.

5. **Events of Default.** Each of the following occurrences shall constitute an event of default under this Agreement (herein called "Event of Default"): (a) the occurrence of an Event of Default, as defined in the Note Purchase Agreement; or (b) the Debtor shall fail promptly to observe or perform any covenant or agreement herein binding on it; or (c) any of the representations or warranties contained in Section 3 shall prove to have been incorrect in any material respect when made.

6. **Remedies.** Upon the occurrence of an Event of Default and at any time thereafter, the Secured Parties may, at their option, take any or all of the following actions:

(a) The Secured Parties may exercise any or all remedies available under the Note Purchase Agreement or the Convertible Notes;

(b) The Secured Parties may sell, assign, transfer, pledge, encumber or otherwise dispose of the Patents and the Trademarks; and

(c) The Secured Parties may enforce the Patents and the Trademarks and any licenses thereunder, and if the Secured Parties shall commence any suit for such enforcement, the Debtor shall, at the request of the Secured Parties, do any and all lawful

acts and execute any and all proper documents required by the Secured Parties in aid of such enforcement.

7. Notice. Any notice or other communications hereunder to the parties hereto shall be in writing and may be personally served or sent by United States mail, registered or certified, postage pre-paid and properly addressed as follows:

To the Secured Parties:

St. Paul Venture Capital VI, LLC
c/o St. Paul Venture Capital
10400 Viking Drive, Suite 550
Eden Prairie, MN 55344
Attention: William Cadogan

and

Rho Ventures IV (QP), L.P.
152 West 57th, 23rd Floor
New York, NY 10019
Attention: Jeffrey I. Martin

To the Debtor:

Mahi Networks, Inc.
1039 N. McDowell Blvd.
Petaluma, CA 94954
Attention: Christopher Rust

8. Miscellaneous. This Agreement has been duly and validly authorized by all necessary action, corporate or otherwise. This Agreement can be waived, modified, amended, terminated or discharged, and the Security Interest can be released, only explicitly in a writing signed by the Secured Parties. A waiver signed by the Secured Parties shall be effective only in the specific instance and for the specific purpose given. Mere delay or failure to act shall not preclude the exercise or enforcement of any of the Secured Parties' rights or remedies. All rights and remedies of the Secured Parties shall be cumulative and may be exercised singularly or concurrently, at the Secured Parties' options, and the exercise or enforcement of any one such right or remedy shall neither be a condition to nor bar the exercise or enforcement of any other. The Secured Parties shall not be obligated to preserve any rights that the Debtor may have against prior parties, to realize on the Patents and the Trademarks at all or in any particular manner or order, or to apply any cash proceeds of the Patents and the Trademarks in any particular order of application. This Agreement shall be binding upon and inure to the benefit of the Debtor and the Secured Parties and their respective participants, successors and assigns and shall take effect when signed by the Debtor and delivered to the Secured Parties, and the Debtor waives notice of the Secured Parties' acceptance hereof. The Secured Parties may execute this Agreement if appropriate for the purpose of filing, but the failure of the Secured Parties to execute this Agreement shall not affect or impair the validity or effectiveness of this Agreement.

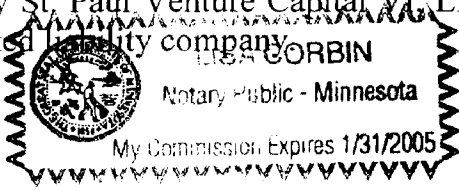
A carbon, photographic or other reproduction of this Agreement or of any financing statement signed by the Debtor shall have the same force and effect as the original for all purposes of a financing statement. This Agreement shall be governed by the internal law of the state of Delaware without regard to conflicts of law provisions. If any provision or application of this Agreement is held unlawful or unenforceable in any respect, such illegality or unenforceability shall not affect other provisions or applications which can be given effect and this Agreement shall be construed as if the unlawful or unenforceable provision or application had never been contained herein or prescribed hereby. All representations and warranties contained in this Agreement shall survive the execution, delivery and performance of this Agreement and the creation and payment of the Obligations.

THE PARTIES WAIVE ANY RIGHT TO TRIAL BY JURY IN ANY ACTION OR PROCEEDING BASED ON OR PERTAINING TO THIS AGREEMENT.

STATE OF Minnesota)

COUNTY OF Hennepin)

The foregoing instrument was acknowledged before me this 7th day of June, 2002, by St. Paul Venture Capital VI, LLC, a Delaware limited liability company, on behalf of the limited liability company.



Lisa Corbin
Notary Public

STATE OF _____)

COUNTY OF _____)

The foregoing instrument was acknowledged before me this ___ day of June, 2002, by Rho Ventures IV (QP), L.P., a Delaware limited partnership, on behalf of the limited partnership.

Notary Public

STATE OF _____)
)
COUNTY OF _____)

The foregoing instrument was acknowledged before me this ____ day of June, 2002, by St. Paul Venture Capital VI, LLC, a Delaware limited liability company, on behalf of the limited liability company.

Notary Public

STATE OF New York)
)
COUNTY OF New York)

The foregoing instrument was acknowledged before me this 13th day of June, 2002, by Rho Ventures IV (QP), L.P., a Delaware limited partnership, on behalf of the limited partnership.

Lisa Camporeale
Notary Public

LISA CAMPOREALE
Notary Public, State of New York
No 01CA5039047
Qualified in Richmond County
Commission Expires 2/13/2003

EXHIBIT AUNITED STATES PATENT APPLICATIONS

<u>Title</u>	<u>Serial Number</u>	<u>Filing Date</u>
Method and Apparatus for Controlling a Variable Chromatic Dispersion	09/813,421	3/20/2001
Method and Apparatus for Protecting Against Optical Switching Matrix Failures	09/813,387	3/20/2001
Multiplexing and De-Multiplexing Optical Signals	09/859,340	5/16/2001
Method and Apparatus for Cross Connecting Optical Transmission Signals	09/792,963	2/23/2001
Improved Optical Add-Drop Multiplexer	09/854,100	5/11/2001
Network with Shared Laser Sources	09/841,761	4/24/2001
Method and Apparatus for Supporting Multi-rate Transmission in a Passive Optical Network	09/569,838	5/11/2000
Fiber Grooming Printed Circuit Board Ejector Handle	60/368,569	3/28/2002
A Method to Achieve Mesh Protection in the IP Controlled Optical Transport Networks by Leveraging the Embedded UPSR Ring Protection	60/362,829	3/7/2002
An Efficient Longest Prefix Search Algorithm	60/368,827	3/28/2002
A Method and Apparatus for a Converged TDM/PDU Switch/Router Platform (Application)	60/368,570	3/28/2002

EXHIBIT B

UNITED STATES TRADEMARKS & TRADEMARK APPLICATIONS

Trademark

Serial Number

Filing Date

ZDM	76222801	3/9/2001
MI7 LX2	76222726	3/8/2001
MI7 X	76209928	2/10/2001
MIQOS	76209927	2/10/2001
MI7	76209926	2/10/2001
THE POWER OF OPTICS	75927808	2/25/2000
MAHINETWORKS & design	75927801	2/25/2000
MAHI	75927543	2/25/2000
MISSION 7	78114395	3/12/2002
ZERO DISRUPTION MIGRATION	76222866	3/9/2001
EMPOWERING CARRIERS WITH INTELLIGENT OPTICS	76222767	3/9/2001

TC3: 835515 v01 06/05/2002

RECORDED: 06/26/2002

**TRADEMARK
REEL: 002540 FRAME: 0128**