



102294621

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

1. Name of conveying party(ies):  
**APRISMA MANAGEMENT TECHNOLOGIES, INC.**  
**273 Corporate Drive**  
**Portsmouth, NY 03801**

10-25-02

- Individuals(s)
- General Partnership
- Corporation-State Delaware
- Other
- Association
- Limited Partnership

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: **October 14, 2002**

2. Name and address of receiving party(ies)

Name: **FOOTHILL CAPITAL CORPORATION**  
Internal Address:  
Street Address: **2450 Colorado Avenue, Suite 3000 West**

City: **Santa Monica** State: **CA** ZIP: **90404**

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State California
- 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) & address(es) attached:  Yes  No

TRADEMARK RECEIVED  
2002 OCT 25 12:43  
U.S. PATENT & TRADEMARK OFFICE

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

A. Trademark Application No.(s)

**SPECTRUM (Reg. No. 1,670,736)**

B. Trademark Registration No.(s)

Additional numbers attached?  Yes  No

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

**Mrs. Kim Walker**

Name: **Buchalter, Nemer, Fields & Younger**

Internal Address: \_\_\_\_\_

Street Address: **601 South Figueroa Street, 24th Floor**

City: **Los Angeles** State: **California** ZIP: **90017**

6. Total number of applications and registrations involved: 3

7. Total fee (37 CFR 3.41) . . . . . \$ 90<sup>00</sup>

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

20-0052

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

11/27/2002 LNUELLER 00000043 200052 1670736

01 FC:8521 40.00 CH  
02 FC:8522 50.00 CH

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.

*Christine E. Wilcox*

**MRS. KIM WALKER**

Name of Person Signing

*Kim Walker*  
\_\_\_\_\_  
Signature

Oct. 24, 2002

Date

Total number of pages including cover sheet, attachments, and document: 19

**Schedule A**

**TRADEMARKS**

	<b>Status</b>	<b>Trademarks</b>	<b>Reg. No. / Serial No.</b>	<b>Reg. Date/ File Date</b>
1.	Registered	SPECTRUM	1,670,736	12-31-91
2.	Pending	APRISMA	75/849,939	11-16-99
3.	Pending	APRISMA MANAGEMENT TECHNOLOGIES	75/881,202	12-27-99

# INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **INTELLECTUAL PROPERTY SECURITY AGREEMENT** ("Agreement"), dated as of October 14, 2002, is entered into between **APRISMA MANAGEMENT TECHNOLOGIES, INC.**, a Delaware corporation ("Debtor") and **FOOTHILL CAPITAL CORPORATION**, a California corporation ("Foothill"), in light of the following:

A. Debtor and Foothill are, contemporaneously herewith, entering into that certain Loan and Security Agreement ("Loan Agreement") and other instruments, documents and agreements contemplated thereby or related thereto (collectively, together with the Loan Agreement, the "Loan Documents"); and

B. Debtor is the owner of certain intellectual property, identified below, in which Debtor is granting a security interest to Foothill.

NOW THEREFORE, in consideration of the mutual promises, covenants, conditions, representations, and warranties hereinafter set forth and for other good and valuable consideration, the parties hereto mutually agree as follows:

## 1. DEFINITIONS AND CONSTRUCTION.

**1.1 Definitions.** The following terms, as used in this Agreement, have the following meanings:

"Code" means the California Commercial Code, as amended and supplemented from time to time, and any successor statute.

"Collateral" means:

(i) Each of the trademarks and rights and interest protected as trademarks (including trademarks, service marks, designs, logos, indicia, tradenames, corporate names, company names, business names, fictitious business names, trade styles, and other source or business identifiers, and applications pertaining thereto but excluding "intent to use" applications), which are presently, or in the future may be, owned, created, acquired, or used (whether pursuant to a license or otherwise) by Debtor, in whole or in part, and all trademark rights with respect thereto throughout the world, including all proceeds thereof (including license royalties and proceeds of infringement suits), and rights to renew and extend such trademarks and trademark rights and the goodwill associated with any of the preceding;

(ii) Each of the patents and patent applications which are presently, or in the future may be, owned, issued, acquired, or used (whether pursuant to a license or otherwise) by Debtor, in whole or in part, and all patent rights with respect thereto throughout the world, including all proceeds thereof (including license royalties and proceeds of infringement suits), foreign filing rights, and rights to extend such patents and patent rights;

(iii) Each of the copyrights and rights and interests capable of being protected as copyrights, which are presently, or in the future may be, owned authored, acquired, or used (whether pursuant to a license or otherwise) by Debtor, in whole or in part, and all copyright rights with respect thereto throughout the world, including all proceeds thereof (including license royalties and proceeds of infringement suits), and all tangible property embodying the copyrights (including books, records, films, computer tapes or disks, photographs, specification sheets, source codes, object codes, and other physical manifestations of the foregoing)

(iv) All of Debtor's right, title, and interest in and to the trademarks and trademark registrations listed on Schedule A, attached hereto, as the same may be updated hereafter from time to time;

(v) All of Debtor's right, title, and interest, in and to the patents and patent applications listed on Schedule B attached hereto, as the same may be updated hereafter from time to time;

(vi) All of Debtor's right, title, and interest, in and to the copyrights and copyright registrations listed on Schedule C, attached hereto, as the same may be updated hereafter from time to time;

(vii) All of Debtor's rights to register trademark claims under any state or federal trademark law or regulation of any foreign country and to apply for, renew, and extend the trademark registrations and trademark rights, the right (without obligation) to sue or bring opposition or cancellation proceedings in the name of Debtor or in the name of Foothill for past, present, and future infringements of the trademarks, registrations, or trademark rights and all rights (but not obligations) corresponding thereto in the United States and any foreign country, and the associated goodwill;

(viii) All of Debtor's right, title, and interest in all patentable inventions, and rights to file applications for patent under federal patent law or regulation of any foreign country, and to request reexamination and/or reissue of the patents, the right (without obligation) to sue or bring interference proceedings in the name of Debtor or in the name of Foothill for past, present, and future infringements of the patents, and all rights (but not obligations) corresponding thereto in the United States and any foreign country;

(ix) All of Debtor's rights to register copyright claims under any federal copyright law or regulation of any foreign country and to apply for registrations on original works, compilations, derivative works, collective works, and works for hire, the right (without obligation) to sue in the name of Debtor or in the name of Foothill for past, present, and future infringements of the copyrights, and all rights (but not obligations) corresponding thereto in the United States and any foreign country;

(x) All general intangibles relating to the foregoing; and

(xi) All proceeds of any and all of the foregoing (including, without limitation, license royalties and proceeds of infringement suits) and, to the extent not otherwise included, all payments under insurance, or any indemnity, warranty, or

guaranty payable by reason of loss or damage to or otherwise with respect to the Collateral.

“Obligations” means all obligations, liabilities, and indebtedness of Debtor to Foothill, whether direct, indirect, liquidated, or contingent, and whether arising under this Agreement, the Loan Agreement, any other of the Loan Documents, or otherwise, including all costs and expenses described in Section 11.8 hereof.

**1.2 Construction.** Unless the context of this Agreement clearly requires otherwise, references to the plural include the singular, references to the singular include the plural, and the term “including” is not limiting. The words “hereof,” “herein,” “hereby,” “hereunder,” and other similar terms refer to this Agreement as a whole and not to any particular provision of this Agreement. Any initially capitalized terms used but not defined herein shall have the meaning set forth in the Loan Agreement. Any reference herein to any of the Loan Documents includes any and all alterations, amendments, extensions, modifications, renewals, or supplements thereto or thereof, as applicable. Neither this Agreement nor any uncertainty or ambiguity herein shall be construed or resolved against Foothill or Debtor, whether under any rule of construction or otherwise. On the contrary, this Agreement has been reviewed by Debtor, Foothill, and their respective counsel, and shall be construed and interpreted according to the ordinary meaning of the words used so as to fairly accomplish the purposes and intentions of Foothill and Debtor.

## **2. GRANT OF SECURITY INTEREST.**

Debtor hereby grants to Foothill a first-priority security interest in all of Debtor’s right, title, and interest in and to the Collateral to secure the Obligations.

## **3. REPRESENTATIONS, WARRANTIES AND COVENANTS.**

Debtor hereby represents, warrants, and covenants that:

### **3.1 Copyrights; Trademarks; Service Marks; Patents.**

(i) A true and complete schedule setting forth all material United States federal and state trademark and service mark registrations owned by Debtor or licensed to Debtor, together with a summary description and certain information in respect of the filing or issuance thereof is set forth on Schedule A;

(ii) A true and complete schedule setting forth all material United States patent and patent applications owned by Debtor or licensed to Debtor, together with a summary description and certain information in respect of the filing or issuance thereof is set forth on Schedule B; and

(iii) A true and complete schedule setting forth all material United States federal copyright registrations owned by Debtor or licensed to Debtor, together with a summary description and certain information in respect of the filing or issuance thereof is set forth on Schedule C.

**3.2 Validity; Enforceability.** Each of the copyrights, patents, service marks and trademarks identified on Schedules A through C, inclusive, are, to the knowledge of Debtor, valid and enforceable, and Debtor is not presently aware of any material past, present, or prospective claim by any third party that any of its copyrights, patents, service marks, or trademarks are invalid or unenforceable, or that its use of any copyrights, patents, service marks, or trademarks violates the rights of any third person, or of any basis for any such claims;

**3.3 Title.** Debtor is the sole and exclusive owner of the entire and unencumbered right, title, and interest in and to each of the copyrights, copyright registrations, patents, patent applications, service marks, service mark registrations, trademarks, and trademark registrations set forth on Schedules A, B, and C, free and clear of any liens, charges, and encumbrances, including pledges, assignments, licenses, shop rights, and covenants by Debtor not to sue third persons;

**3.4 Notice.** Debtor has used and will continue to use proper statutory notice in connection with its use of each of its copyrights, patents, service marks, and trademarks;

**3.5 Quality.** Debtor has used and will continue to use consistent standards of high quality (which may be substantially consistent with Debtor's past practices) in the manufacture, sale, and delivery of products and services sold or delivered under or in connection with its material service marks and trademarks, including, to the extent applicable, in the operation and maintenance of its merchandising operations, and will continue to maintain the validity of its material service marks and trademarks;

**3.6 Perfection of Security Interest.** Except for the filing of a financing statement with the Secretary of State of Delaware or such other locations identified by Foothill as being necessary to perfect its security interest in the Scheduled IP (as defined below) and filing with the United States Patent and Trademark Office and the United States Copyright Office necessary to perfect the security interests in the patents, copyrights and trademarks identified in Schedules A through C (collectively, the "Scheduled IP"), no authorization, approval, or other action by, and no notice to or filing with, any governmental authority or regulatory body is required either for the grant by Debtor of the security interest by Debtor in the Scheduled IP or for the perfection of or the exercise by Foothill of its rights in and to the Scheduled IP.

#### **4. AFTER-ACQUIRED COPYRIGHT, PATENT, SERVICE MARK, OR TRADEMARK RIGHTS.**

If Debtor shall subsequently obtain rights to any new material copyright, service marks, trademarks, any new patentable inventions or become entitled to the benefit of any patent application or patent for any reissue, division, or continuation, of any patent, the provisions of this Agreement shall automatically apply thereto. Debtor shall give prompt notice in writing to Foothill with respect to any such new service marks, trademarks or patents, or renewal or extension of any service mark or trademark registration. Debtor shall bear any expenses incurred in connection with future patent applications or service mark or trademark registrations.

## **5. LITIGATION AND PROCEEDINGS.**

Debtor shall commence and diligently prosecute in its own name, as the real party in interest, for its own benefit, and its own expense, such suits, administrative proceedings, or other action for infringement or other damages as are in its reasonable business judgment necessary to protect the material United States patents, patent applications, federal and state trademark registrations and applications, United States Copyright registrations and applications (collectively, the "Material IP"). Debtor shall provide to Foothill any information with respect to the Material IP reasonably requested by Foothill. Foothill shall provide at Debtor's expense all reasonable cooperation in connection with any such suits, proceedings, or action, including, without limitation, joining as a necessary party. Following Debtor's becoming aware thereof, Debtor shall notify Foothill of the institution of, or any adverse determination in, any proceeding in the United States Patent and Trademark Office, the United States Copyright Office, or any United States, state, or foreign court regarding Debtor's claim of ownership in the Material IP.

## **6. POWER OF ATTORNEY.**

Debtor grants Foothill power of attorney, having the full authority, and in the place of Debtor and in the name of Debtor, from time to time following an Event of Default in Foothill's discretion, to take any reasonable action and to execute any instrument which Foothill may deem necessary or advisable to accomplish the purposes of this Agreement, including, without limitation, as may be subject to the provisions of this Agreement: to endorse Debtor's name on all applications, documents, papers, and instruments necessary for Foothill to use or maintain the Collateral; to ask, demand, collect, sue for, recover, impound, receive, and give acquittance and receipts for money due or to become due under or in respect of any of the Collateral; to file any claims or take any action or institute any proceedings that Foothill may deem necessary or desirable for the collection of any of the Collateral or otherwise to enforce Foothill's rights with respect to any of the Collateral and to assign, pledge, convey, or otherwise transfer title in or dispose of the Collateral to any person.

## **7. RIGHT TO INSPECT.**

Debtor grants to Foothill and its employees and agents the right to visit Debtor's plants and facilities which manufacture, inspect, or store products sold under any of the patents or trademarks, and to inspect the products and quality control records relating thereto at reasonable times during regular business hours. So long as no Event of Default has occurred and is continuing, Foothill shall provide to Debtor reasonable notice of any such inspection and shall not be entitled to conduct such inspection more frequently as to any particular plant or facility than Foothill reasonably believes is necessary.

## **8. EVENTS OF DEFAULT.**

Any of the following events shall be an Event of Default:

**8.1 Loan Agreement.** An Event of Default shall occur as defined in the Loan Agreement;

**8.2 Misrepresentation.** Any material representation or warranty made herein by Debtor or in any document furnished to Foothill by Debtor under this Agreement is incorrect in any material respect when made or when reaffirmed; and

**8.3 Breach.** Debtor fails to observe or perform any covenant, condition, or agreement to be observed or performed pursuant to the terms hereof which materially and adversely affects Foothill.

## **9. SPECIFIC REMEDIES.**

Upon the occurrence of any Event of Default, Foothill shall have, in addition to, other rights given by law or in this Agreement, the Loan Agreement, or in any other Loan Document, all of the rights and remedies with respect to the Collateral of a secured party under the Code, including the following:

**9.1 Notification.** Foothill may notify licensees to make royalty payments on license agreements directly to Foothill;

**9.2 Sale.** Foothill may sell or assign the Collateral and associated goodwill at public or private sale for such amounts, and at such time or times as Foothill deems advisable. Any requirement of reasonable notice of any disposition of the Collateral shall be satisfied if such notice is sent to Debtor five days prior to such disposition. Debtor shall be credited with the net proceeds of such sale only when they are actually received by Foothill, and Debtor shall continue to be liable for any deficiency remaining after the Collateral is sold or collected. If the sale is to be a public sale, Foothill shall also give notice of the time and place by publishing a notice one time at least five days before the date of the sale in a newspaper of general circulation in the county in which the sale is to be held. To the maximum extent permitted by applicable law, Foothill may be the purchaser of any or all of the Collateral and associated goodwill at any public sale and shall be entitled, for the purpose of bidding and making settlement or payment of the purchase price for all or any portion of the Collateral sold at any public sale, to use and apply all or any part of the Obligations as a credit on account of the purchase price of any collateral payable by Foothill at such sale.

## **10. CHOICE OF LAW AND VENUE; JURY TRIAL WAIVER.**

**THE VALIDITY OF THIS AGREEMENT, ITS CONSTRUCTION, INTERPRETATION, AND ENFORCEMENT, AND THE RIGHTS OF THE PARTIES HERETO WITH RESPECT TO ALL MATTERS ARISING HEREUNDER OR RELATED HERETO SHALL BE DETERMINED UNDER, GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA, WITHOUT GIVING EFFECT TO ITS CONFLICT OF LAWS PRINCIPLES. THE PARTIES AGREE THAT ALL ACTIONS OR PROCEEDINGS ARISING IN CONNECTION WITH THIS AGREEMENT SHALL BE TRIED AND LITIGATED ONLY IN THE STATE AND FEDERAL COURTS LOCATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA OR, AT THE SOLE OPTION OF FOOHILL, IN ANY OTHER COURT IN WHICH FOOHILL SHALL INITIATE LEGAL OR EQUITABLE PROCEEDINGS AND WHICH HAS SUBJECT MATTER JURISDICTION OVER THE MATTER IN CONTROVERSY. EACH OF DEBTOR AND**



**FOOTHILL WAIVES, TO THE EXTENT PERMITTED UNDER APPLICABLE LAW, ANY RIGHT EACH MAY HAVE TO ASSERT THE DOCTRINE OF FORUM NON CONVENIENS OR TO OBJECT TO VENUE TO THE EXTENT ANY PROCEEDING IS BROUGHT IN ACCORDANCE WITH THIS SECTION 10. DEBTOR AND FOOTHILL HEREBY WAIVE THEIR RESPECTIVE RIGHTS TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF ANY OF THE LOAN DOCUMENTS OR ANY OF THE TRANSACTIONS CONTEMPLATED THEREIN, INCLUDING CONTRACT CLAIMS, TORT CLAIMS, BREACH OF DUTY CLAIMS, AND ALL OTHER COMMON LAW OR STATUTORY CLAIMS. DEBTOR AND FOOTHILL REPRESENT THAT EACH HAS REVIEWED THIS WAIVER AND EACH KNOWINGLY AND VOLUNTARILY WAIVES ITS JURY TRIAL RIGHTS FOLLOWING CONSULTATION WITH LEGAL COUNSEL. IN THE EVENT OF LITIGATION, A COPY OF THIS AGREEMENT MAY BE FILED AS A WRITTEN CONSENT TO A TRIAL BY THE COURT.**

## **11. GENERAL PROVISIONS.**

**11.1 Effectiveness.** This Agreement shall be binding and deemed effective when executed by Debtor and Foothill.

**11.2 Successors and Assigns.** This Agreement shall bind and inure to the benefit of the respective successors and assigns of each of the parties; provided, however, that Debtor may not assign this Agreement or any rights or duties hereunder without Foothill's prior written consent and any prohibited assignment shall be absolutely void. Foothill may assign this Agreement and its rights and duties hereunder and no consent or approval by Debtor is required in connection with any such assignment.

**11.3 Section Headings.** Headings and numbers have been set forth herein for convenience only. Unless the contrary is compelled by the context, everything contained in each section applies equally to this entire Agreement.

**11.4 Interpretation.** Neither this Agreement nor any uncertainty or ambiguity herein shall be construed or resolved against Foothill or Debtor, whether under any rule of construction or otherwise. On the contrary, this Agreement has been reviewed by all parties and shall be construed and interpreted according to the ordinary meaning of the words used so as to fairly accomplish the purposes and intentions of all parties hereto.

**11.5 Severability of Provisions.** Each provision of this Agreement shall be severable from every other provision of this Agreement for the purpose of determining the legal enforceability of any specific provision.

**11.6 Amendments in Writing.** This Agreement can only be amended by a writing signed by both Foothill and Debtor.

**11.7 Counterparts; Telefacsimile Execution.** This Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Agreement. Delivery of an executed counterpart of this Agreement by telefacsimile shall be equally as effective as delivery of a

manually executed counterpart of this Agreement. Any party delivering an executed counterpart of this Agreement by telefacsimile also shall deliver a manually executed counterpart of this Agreement but the failure to deliver a manually executed counterpart shall not affect the validity, enforceability, and binding effect of this Agreement.

**11.8 Fees and Expenses.** Debtor shall pay to Foothill on demand all costs and expenses that Foothill pays or incurs in connection with the negotiation, preparation, consummation, administration, enforcement, and termination of this Agreement, including: (a) reasonable attorneys' and paralegals' fees and disbursements of counsel to Foothill; (b) costs and expenses (including reasonable attorneys' and paralegals' fees and disbursements) for any amendment, supplement, waiver, consent, or subsequent closing in connection with this Agreement and the transactions contemplated hereby; (c) costs and expenses of lien and title searches; (d) taxes, fees, and other charges for filing this Agreement at the United States Patent and Trademark Office, or for filing financing statements, and continuations, and other actions to perfect, protect, and continue the security interest created hereunder; (e) sums paid or incurred to pay any amount or take any action required of Debtor under this Agreement that Debtor fails to pay or take; (f) costs and expenses of preserving and protecting the Collateral; and (g) costs and expenses (including reasonable attorneys' and paralegals' fees and disbursements) paid or incurred to enforce the security interest created hereunder, sell or otherwise realize upon the Collateral, and otherwise enforce the provisions of this Agreement, or to defend any claims made or threatened against Foothill arising out of the transactions contemplated hereby (including preparations for the consultations concerning any such matters). The foregoing shall not be construed to limit any other provisions of this Agreement or the Loan Documents regarding costs and expenses to be paid by Debtor. The parties agree that reasonable attorneys' and paralegals' fees and costs incurred in enforcing any judgment are recoverable as a separate item in addition to fees and costs incurred in obtaining the judgment and that the recovery of such attorneys' and paralegals' fees and costs is intended to survive any judgment, and is not to be deemed merged into any judgment.

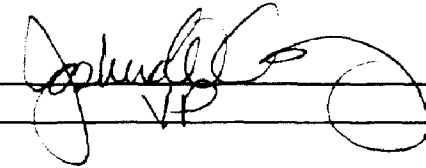
**11.9 Notices.** Except as otherwise provided herein, all notices, demands, and requests that either party is required or elects to give to the other shall be in writing and shall be governed by the provisions of Section 12 of the Loan Agreement.

**11.10 Termination By Foothill.** After termination of the Loan Agreement and when Foothill has received payment and performance, in full, of all Obligations, Foothill shall execute and deliver to Debtor a termination of all of the security interests granted by Debtor hereunder.

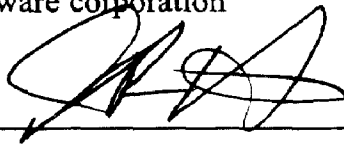
**11.11 Integration.** This Agreement, together with the other Loan Documents, reflect the entire understanding of the parties with respect to the transactions contemplated hereby and shall not be contradicted or qualified by any other agreement, oral or written, before the date hereof.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first written above.

**FOOTHILL CAPITAL CORPORATION,**  
a California corporation

By:   
Title: \_\_\_\_\_

**APRISMA MANAGEMENT TECHNOLOGIES,  
INC.,**  
a Delaware corporation

By:   
Title: \_\_\_\_\_

Schedule A

**TRADEMARKS**

	<b>Status</b>	<b>Trademarks</b>	<b>Reg. No. / Serial No.</b>	<b>Reg. Date/ File Date</b>
1.	Registered	SPECTRUM	1,670,736	12-31-91
2.	Pending	APRISMA	75/849,939	11-16-99
3.	Pending	APRISMA MANAGEMENT TECHNOLOGIES	75/881,202	12-27-99

LA 19525v2 10/22/2002

1

LA 19427v2 10/22/2002

1

**Schedule B****PATENTS**

	<b>Status</b>	<b>Patents</b>	<b>Reg. No. / Appl. No./ Serial No.</b>	<b>File Date/ Issue Date</b>
1.	Registered	Network management system using status suppression to isolate network faults	07/789,000 5,436,909	7/25/1995
2.	Registered	Network management system using multifunction icons for information display	07/788,936 5,261,044	11/9/1993
3.	Registered	Method and apparatus for resolving faults in communications networks	08/023,972 5,666,481	9/9/1997
4.	Registered	Network management system using interconnected hierarchies to represent different network dimensions in multiple display views	08/101,777 5,295,244	3/15/1994
5.	Registered	Use of multipoint connection services to establish call-tapping points in a switched network	08/370,158 5,627,819	5/6/1997
6.	Registered	Network management system using model-based intelligence	08/243,642 5,504,921	4/2/1996
7.	Registered	Replicated resource management system for managing resources in a distributed application and maintaining a relativistic view of state	08/585,054 6,233,623	5/15/2001
8.	Registered	Method for determining a best path between two nodes	08/321,038 5,521,910	5/28/1996
9.	Registered	Method and apparatus for configuration management in communications networks	08/394,143 5,832,503	11/3/1998
10.	Registered	Method and apparatus for determining a communications path between two nodes in an internet protocol (IP) network	08/328,513 5,675,741	10/7/1997
11.	Registered	Apparatus and method for evaluating network traffic performance	08/382,294 5,706,436	1/6/1998
12.	Registered	Method and apparatus for digital data compression	08/368,414 5,748,781	5/5/1998
13.	Registered	Method and apparatus for managing multiple server requests and collating responses	08/502,163 5,649,103	7/15/1997
14.	Registered	Method and apparatus for monitoring the status of non-pollable devices in a computer network	08/355,430 5,559,955	9/24/1996
15.	Registered	Method and apparatus for policy-based alarm notification in a distributed network management environment	08/412,955 5,777,549	7/7/1998

	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date/ Issue Date
16.	Registered	Method and apparatus for defining and enforcing policies for configuration management in communications networks	08/450,854 5,872,928	2/16/1999
17.	Registered	Configurations tracking system using transition manager to evaluate votes to determine possible connections between ports in a communications...	08/566,978 5,793,362	8/11/1998
18.	Registered	Method and apparatus for policy-based alarm notification in a distributed network management environment	08/558,425 5,696,486	12/9/1997
19.	Registered	Port-link configuration tracking method and apparatus	08/550,630 5,590,120	12/31/1996
20.	Registered	Network connection status monitor and display	08/619,012 5,751,965	5/12/1998
21.	Registered	Method and apparatus for testing the responsiveness of a network device	08/596,064 6,199,172	3/6/2001
22.	Registered	Method and apparatus for network synchronization	08/577,429 5,734,642	3/31/1998
23.	Registered	Method and apparatus for inter-domain alarm correlation	08/654,305 5,768,501	6/16/1998
24.	Registered	Establishing control of lock token for shared objects upon approval messages from all other processes	08/681,040 6,041,383	3/21/2000
25.	Registered	Policy management and conflict resolution in computer networks	08/622,866 5,889,953	3/30/1999
26.	Registered	Distribution of communications load over multiple paths based upon link utilization	08/790,467 6,084,858	7/4/2000
27.	Registered	Network device simulator	08/675,473 5,907,696	5/25/1999
28.	Registered	Network management system using model-based intellegence	08/616,824 6,374,293	4/16/2002
29.	Registered	Method and apparatus for integrated network and systems management	08/649,278 6,131,112	10/10/2000
30.	Registered	Perspective-based shared scope address resolution method and apparatus	08/819,522 6,216,168	4/10/2001
31.	Registered	System for determining the status of an entity in a computer network	08/713,152 5,751,933	5/12/1998
32.	Registered	Method and apparatus for reactive and deliberative configuration management	09/164,139 6,421,719	7/16/2002
33.	Registered	Apparatus and method for network capacity evaluation and planning	08/855,222 6,209,033	3/27/2001
34.	Registered	Method and apparatus for monitoring and communications networks	08/722,580 5,687,290	11/11/1997
35.	Registered	Port-link configuration tracking method and apparatus	08/731,701 5,822,305	10/13/1998

	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date/ Issue Date
36.	Registered	Method and apparatus for representing objects as visually discernable entities based on spatial definition and perspective	08/871,153 6,392,667	5/21/2002
37.	Registered	System for determining network connection availability between source and destination devices for specified time period	08/842,049 6,003,090	12/14/1999
38.	Registered	Method and apparatus for surveillance communications networks	08/976,866 6,026,442	2/15/2000
39.	Registered	Method and apparatus for distributed object filtering	09/124,204 6,255,943	7/3/2001
40.	Registered	Use of multipoint connection services to establish call-tapping points in a switched network	08/747,456 5,754,532	5/19/1998
41.	Registered	Method and apparatus for determining frame relay connections	08/827,541 6,115,362	9/5/2000
42.	Registered	Method and apparatus for coordination of a shared object in a distributed system	08/873,550 6,141,720	10/31/2000
43.	Registered	Method and apparatus for automatically populating a network simulator tool	08/769,278 6,014,697	1/11/2000
44.	Registered	Apparatus and method for determining a computer network topology	08/770,696 5,727,157	3/10/1998
45.	Registered	Method and apparatus for monitoring the status of non-pollable devices in a computer network	08/824,492 5,812,750	9/22/1998
46.	Registered	Method and apparatus for learning network behavior trends and predicting future behavior of communications networks	08/960,076 5,987,442	11/16/1999
47.	Registered	Method and apparatus for monitoring the status of non-pollable devices in a computer network	09/153,711 6,049,828	4/11/2000
48.	Registered	Gateway for using legacy telecommunications network element equipment with a common management information protocol	08/545,024 5,764,955	6/9/1998
49.	Registered	Method and apparatus for inter-domain alarm correlation	09/094,428 6,000,045	12/7/1999
50.	Registered	Method and apparatus for policy-based alarm notification in a distributed network management environment	09/110,564 6,057,757	5/2/2000
51.	Registered	Apparatus and method for configuration management in communications networks	09/183,701 6,349,306	2/19/2002
52.	Registered	Policy management and conflict resolution in computer networks	09/219,294 6,381,639	4/30/2002
53.	Registered	Method and apparatus for defining and enforcing policies for configuration management in communications networks	09/249,219 6,243,747	6/5/2001

	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date/ Issue Date
54.	Registered	Method and apparatus for policy-based alarm notification in a distributed network management environment	09/307,833 6,064,304	5/16/2000
55.	Registered	Method and apparatus for inter-domain alarm correlation	09/455,041 6,205,563	3/20/2001
56.	Registered	Replicated resource management system for managing resources in a distributed application and maintaining a relativistic view of state	09/539,752 6,324,590	11/27/2001
57.	Registered	Method and apparatus for policy-based alarm notification in a distributed network management environment	09/571,625 6,373,383	4/16/2002
58.	Registered	Method for automatic partitioning of node-weighted edge-constrained graphs	08/956,831 6,437,804	8/20/02
59.	Registered	Method and apparatus for inter-domain alarm correlation	09/811,748 6,430,712	8/6/02
60.	Pending	Method and Apparatus for Security Management via Vicarious Network Devices	10/122,637	4/12/2002
61.	Pending	Method and Apparatus for Predicting and Preventing Attacks in Communications Networks	10/138,836	5/3/2002
62.	Pending	Method and apparatus for coordinated management of a shared object	08/873,549	6/12/1997
63.	Pending	Method and apparatus for synchronizing transactions in a distributed system	08/874,104	6/12/1997
64.	Pending	Method and apparatus for managing multiple server requests and collating responses	08/891,117	7/10/1997
65.	Pending	Method and System for Managing Software Licenses (as amended)	08/986,947	12/8/1997
66.	Pending	Method and apparatus for tracking connection-oriented communications configurations	09/131,180	8/10/1998
67.	Pending	Method and apparatus for managing data for use by data applications	09/386,571	8/31/1999
68.	Pending	Method and apparatus for integrated network management and systems management in communications networks	09/481,643	1/12/2000
69.	Pending	Method for automatic partitioning of node-weighted, edge-constrained graphs	09/538,330	3/29/2000
70.	Pending	Distribution of communication load over multiple paths based upon link utilization	09/560,851	4/28/2000
71.	Pending	Service level management	09/577,225	5/23/2000



	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date/ Issue Date
72.	Pending	Method and apparatus for reactive and deliberative service level management (SLM)	09/577,224	5/23/2000
73.	Pending	Method and apparatus for event correlation in service level management (SLM)	09/578,156	5/23/2000
74.	Pending	Method and apparatus for display of service level management (SLM)	09/577,236	5/23/2000
75.	Pending	Method and apparatus for component to service mapping in service level management (SLM)	09/577,231	5/23/2000
76.	Pending	Method and apparatus for service analysis in service level management (SLM)	09/577,232	5/23/2000
77.	Pending	Service agreement for service level management (SLM)	09/577,295	5/23/2000
78.	Pending	Method and apparatus for coordination of a shared object in a distributed system	09/702,535	10/31/2000
79.	Pending	Method and apparatus for testing the responsiveness of a network device	09/800,102	3/5/2001
80.	Pending	MULTIPLE PRIORITY BUFFERING IN A COMPUTER NETWORK	09/883,075	6/15/2001
81.	Pending	Method and apparatus for distributed object filtering	09/896,949	7/2/2001

**THE FOLLOWING APPLICATIONS FOR PATENTS HAVE BEEN MADE PURSUANT TO THE PATENT COOPERATION TREATY**

	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date Issue/ Date
1.	Completed	Use of multipoint connection services to establish call-tapping points in a switched network		1/11/1996
2.	Completed	Method and apparatus for defining and enforcing policies for configuration management in communications networks	PCT/US96/03036	2/23/1996
3.	Completed	Port-link configuration tracking method and apparatus	PCT/US96/17335"	10/28/1996
4.	Completed	Method and apparatus for testing the responsiveness of a network device	PCT/US97/01986	Not Filed
5.	Completed	Policy management and conflict resolution in computer networks	PCT/US97/05317	3/28/1997
6.	Completed	Method and apparatus for integrated network and systems management	PCT/US97/08043	5/13/1997

	Status	Patents	Reg. No. / Appl. No./ Serial No.	File Date Issue/ Date
7.	Completed	Perspective-based shared scope address resolution method and apparatus	PCT/US98/05172	Not Filed
8.	Completed	Apparatus and method for network capacity evaluation and planning	PCT/US98/09431	5/8/1998
9.	Completed	Method and apparatus for surveillance communications networks	PCT/US98/24355	11/13/1998
10.	Completed	Method and apparatus for determining frame relay connections	PCT/US98/05370	3/18/1999
11.	Completed	Multiple priority buffering in a computer network	PCT/US99/09853	5/5/1999
12.	Completed	Method and apparatus for managing data for use by data applications	PCT/US99/19963	8/31/1999
13.	Pending	Service level management	PCT/US00/14175	5/23/2000
14.		Systems and methods for constructing multi-layer topological models of computer networks	PCT/US01/14767	
15.		Method for diagnosing faults in large multi-layered environments guided by path and dependency analysis of the modeled system	PCT/US01/14618	
16.		Method and apparatus for performing integrated computer network, system and application fault management	PCT/US01/14557	
17.		User centric help desk system with integration topologically aware fault diagnosis engine	PCT/US01/14766	
18.		Systems and Methods for isolating faults in computer networks	PCT/US01/14815	
19.		Method and apparatus for automated service provisioning over multiple networking technologies	PCT/US01/22109	
20.		Method and apparatus for monitoring quality of service from user point of view	PCT/US01/22108	
21.		Method and apparatus for a comprehensive network management system	PCT/US01/22107	

Schedule C

**COPYRIGHTS**

	<b>Status</b>	<b>Copyright Titles</b>	<b>Reg. No.</b>	<b>Reg. Date</b>
1.	Registered	SPECTRUM 2.0	TX5501172 Previous registration: <b>TX3377839</b>	5-2-01
2.	Registered	SPECTRUM 5.0	TX5501171 Previous registration: <b>TX4360425</b>	5-2-01
3.	Registered	SPECTRUM 6.0	TX5501170 Previous registration: <b>TX4360425</b>	5-2-01
4.	Pending	SPECTRUM, Version 3.00.02	TX4060999 Previous registration: <b>TX3377839</b>	5-11-95