

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Copan Systems, Inc.		10/24/2008	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Silicon Valley Bank		
<b>Street Address:</b>	3003 Tasman Drive		
<b>City:</b>	Santa Clara		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95054		
<b>Entity Type:</b>	Bank: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
Registration Number:	3009749	POWER MANAGED RAID	
Registration Number:	3032895	DISK AEROBICS	
Registration Number:	3314309	MILLENNIA ARCHIVE	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	(703)415-1557		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
<b>Phone:</b>	703-415-1555		
<b>Email:</b>	mail@specializedpatent.com		
<b>Correspondent Name:</b>	Christopher E. Kondracki		
<b>Address Line 1:</b>	2001 Jefferson Davis, Hwy., Suite 1007		
<b>Address Line 4:</b>	Arlington, VIRGINIA 22202		
<b>ATTORNEY DOCKET NUMBER:</b>	9010806A		
<b>NAME OF SUBMITTER:</b>	Christopher E. Kondracki		
<b>Signature:</b>	/Christopher E. Kondracki/		

CH \$90.00 3009749

Date:

02/09/2009

**Total Attachments: 12**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "**IP Agreement**") is made as of the 24 day of October, 2008 by and between **SILICON VALLEY BANK**, a California corporation, with its principal place of business at 3003 Tasman Drive, Santa Clara, California 95054 and with a loan production office located at 380 Interlocken Crescent, Suite 600, Broomfield, Colorado 80021, in its capacity as agent for the Lenders (as defined below) (the "**Agent**") and **COPAN SYSTEMS, INC.**, a Delaware corporation with offices located at 1900 Pike Road, Suite A, Longmont, Colorado 80501 (the "**Grantor**").

### RECITALS

A. Lenders (as defined below) have agreed to make advances of money and to extend certain financial accommodations to Grantor (the "**Loan**"), pursuant to, among other documents, a certain Loan and Security Agreement dated as of March 15, 2007, by and among Grantor, Agent, Silicon Valley Bank, in its capacity as a bank ("**Bank**") and Gold Hill Venture Lending 03, LP ("**Gold Hill**") (Bank and Gold Hill each individually a "**Lender**" and collectively the "**Lenders**"), as amended from time to time (as amended, the "**Loan Agreement**"). The Loan is secured pursuant to the terms of the Loan Agreement. The Lenders are willing to continue extending credit and other financial accommodations with Grantor, but only upon the condition, among others, that Grantor shall grant to Agent, for the benefit of the Lenders, a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (each as defined below), and other assets, to secure the obligations of Grantor under the Loan Agreement. Capitalized terms used but not defined herein shall have the same meanings as in the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Agent, for the benefit of the Lenders, a security interest in all of Grantor's right title and interest, whether presently existing or hereafter acquired in, to and under all of the Collateral (as defined therein), other than the Intellectual Property Collateral (as defined below). From and after the date hereof, the Collateral shall include the Intellectual Property Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged and intending to be legally bound, as collateral security for the prompt and complete payment when due of Grantor's Indebtedness (as defined below), Grantor hereby represents, warrants, covenants and agrees as follows:

1. **Grant of Security Interest.** As additional collateral security for the prompt and complete payment and performance of all of Grantor's present or future indebtedness, obligations and liabilities to Lenders (hereinafter, the "**Indebtedness**"), including, without limitation, under the Loan Agreement, Grantor hereby grants to Agent for the benefit of the Lenders a security interest in all of Grantor's right, title and interest in, to and under its registered and unregistered intellectual property collateral (all of which shall collectively be called the "**Intellectual Property Collateral**"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished, registered or unregistered, and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth for each Grantor on **EXHIBIT A** attached hereto (collectively, the "**Copyrights**");

(b) Any and all trade secret rights, including any rights to unpatented inventions, know-how, operating manuals, license rights and agreements, and confidential information, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights which may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the

same, including without limitation the patents and patent applications for each Grantor set forth on EXHIBIT B attached hereto (collectively, the “**Patents**”);

(e) Any trademark and service mark rights, slogans, trade dress, and tradenames, trade styles, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth for each Grantor on EXHIBIT C attached hereto (collectively, the “**Trademarks**”);

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth for each Grantor on EXHIBIT D attached hereto (collectively, the “**Mask Works**”);

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights, including, without limitation those set forth for each Grantor on EXHIBIT E attached hereto (collectively, the “**Licenses**”);

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Authorization and Request. Grantor authorizes and requests that the Register of Copyrights and the Commissioner of Patents and Trademarks record this IP Agreement, and any amendments thereto, or copies thereof. Grantor hereby authorizes Agent to amend or file financing statements, without notice to Grantor, with all appropriate jurisdictions to perfect or protect Agent’s interest or rights hereunder, including a notice that any disposition of the Collateral, by either Grantor or any other Person, shall be deemed to violate the rights of Agent or the Lenders under the Code.

3. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor is now the sole owner of the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor to its customers in the ordinary course of business.

(b) Performance of this IP Agreement does not conflict with or result in a breach of any material agreement to which Grantor is bound.

(c) During the term of this IP Agreement, Grantor will not transfer or otherwise encumber any interest in the Intellectual Property Collateral, except for non-exclusive licenses granted by Grantor in the ordinary course of business or as otherwise set forth in this IP Agreement;

(d) To its knowledge, each of the Patents is valid and enforceable, and no part of the Intellectual Property Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Intellectual Property Collateral violates the rights of any third party;

(e) Grantor shall promptly advise Agent of any material adverse change in the composition of the Collateral, including but not limited to any subsequent ownership right of the Grantor in or to any Trademark, Patent, Copyright, or Mask Work specified in this IP Agreement;

(f) Grantor shall (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents, Copyrights, and Mask Works, (ii) use its best efforts to detect infringements of the Trademarks, Patents, Copyrights, and Mask Works and promptly advise Agent in writing of material infringements detected and (iii) not allow any Trademarks, Patents, Copyrights, or Mask Works to be abandoned, forfeited or dedicated to the public without the written consent of Agent, which shall not be unreasonably withheld, unless Grantor determines that reasonable business practices suggest that abandonment is appropriate.

(g) Grantor shall take such further actions as Agent may reasonably request from time to time to perfect or continue the perfection of Agent's interest in the Intellectual Property Collateral;

(h) This IP Agreement creates, and in the case of any after acquired Intellectual Property Collateral this IP Agreement will create, at the time Grantor first has rights in such after acquired Intellectual Property Collateral, in favor of Agent a valid and perfected first priority security interest and collateral assignment in the Intellectual Property Collateral in the United States securing the payment and performance of the obligations evidenced by the Loan Agreement;

(i) To its knowledge, except for, and upon, the filing of UCC financing statements, or other notice filings or notations in appropriate filing offices, if necessary to perfect the security interests created hereunder, no authorization, approval or other action by, and no notice to or filing with, any U.S. governmental authority or U.S. regulatory body is required either (a) for the grant by Grantor of the security interest granted hereby, or for the execution, delivery or performance of this IP Agreement by Grantor in the U.S. or (b) for the perfection in the United States or the exercise by Agent of its rights and remedies thereunder;

(j) All information heretofore, herein or hereafter supplied to Agent or the Lenders by or on behalf of Grantor with respect to the Intellectual Property Collateral is accurate and complete in all material respects.

(k) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Agent's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interest in any property included within the definition of the Intellectual Property Collateral acquired under such contracts.

(l) Upon any executive officer of Grantor obtaining actual knowledge thereof, Grantor will promptly notify Agent in writing of any event that materially adversely affects the value of any material Intellectual Property Collateral, the ability of Grantor to dispose of any material Intellectual Property Collateral or the rights and remedies of Agent in relation thereto, including the levy of any legal process against any of the Intellectual Property Collateral.

4. Agent's Rights. Agent shall have the right, but not the obligation, to take, at Grantor's sole expense, any actions that Grantor is required under this IP Agreement to take but which Grantor fails to take, after ten (10) days' notice to Grantor. Grantor shall reimburse and indemnify Agent for all reasonable costs and reasonable expenses, including, without limitation, the reasonable attorney's fees and expenses, incurred in the reasonable exercise of its rights under this Section 4.

5. Inspection Rights. Grantor hereby grants to Agent and its employees, representatives and agents the right to visit, during reasonable hours upon prior reasonable written notice to Grantor, any of Grantor's plants and facilities that manufacture, install or store products (or that have done so during the prior six-month period) that are sold utilizing any of the Intellectual Property Collateral, and to inspect the products and quality control records relating thereto upon reasonable written notice to Grantor and as often as may be reasonably requested, but not more than twice on an annual basis, or more frequently, as Agent shall determine in its sole discretion if an Event of

Default has occurred and is continuing; provided, however, nothing herein shall entitle Agent access to Grantor's trade secrets and other proprietary information.

6. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will, upon request by Agent, subject to any prior licenses, encumbrances and restrictions and prospective licenses, make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademarks Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as requested by Agent, to perfect Agent's security interest in all Copyrights, Patents, Trademarks, and Mask Works and otherwise to carry out the intent and purposes of this IP Agreement, or for assuring and confirming to Agent the grant or perfection of a security interest in all Intellectual Property Collateral.

(b) In addition to Section 6(a) above, Grantor shall not register any Copyrights or Mask Works in the United States Copyright Office unless it: (i) has given at least fifteen (15) days' prior-written notice to Agent of its intent to register such Copyrights or Mask Works and has provided Agent with a copy of the application it intends to file with the United States Copyright Office (excluding exhibits thereto); (ii) executes a security agreement or such other documents as Agent may reasonably request in order to maintain the perfection and priority of Agent's security interest in the Copyrights proposed to be registered with the United States Copyright Office; and (iii) records such security documents with the United States Copyright Office contemporaneously with filing the Copyright application(s) with the United States Copyright Office. Grantor shall promptly provide to Agent a copy of the Copyright application(s) filed with the United States Copyright Office, together with evidence of the recording of the security documents necessary for Agent to maintain the perfection and priority of its security interest in such Copyrights or Mask Works. Grantor shall provide written notice to Agent of any application filed by Grantor in the United States Patent Trademark Office for a patent or to register a trademark or service mark within thirty (30) days of any such filing.

(c) Grantor hereby irrevocably appoints Agent as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, Agent or otherwise, exercisable after an Event of Default from time to time in Agent's discretion, upon Grantor's failure or inability to do so, to take any action and to execute any instrument which Agent may deem necessary or advisable to accomplish the purposes of this IP Agreement, including:

(i) To modify, based on its good faith judgment, this IP Agreement without first obtaining Grantor's approval of or signature to such modification by amending **Exhibit A, Exhibit B, Exhibit C, and Exhibit D** hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents, Trademarks or Mask Works acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents, Trademarks, or Mask Works in which Grantor no longer has or claims any right, title or interest; and

(ii) To file, in its sole discretion, one or more financing or continuation statements and amendments thereto, or other notice filings or notations in appropriate filing offices, relative to any of the Intellectual Property Collateral, without notice to Grantor, with all appropriate jurisdictions, as Agent deems appropriate, in order to further perfect or protect Agent's interest in the Intellectual Property Collateral.

7. Events of Default. The occurrence of any of the following shall constitute an Event of Default under this IP Agreement:

(a) An Event of Default occurs under the Loan Agreement, any other Loan Document or any document from Grantor to Agent; or

(b) Grantor breaches any warranty or agreement made by Grantor in this IP Agreement.

8. Remedies. Upon the occurrence and continuance of an Event of Default, Agent shall have the right to exercise all the remedies of a secured party under the California Uniform Commercial Code, including without limitation the right to require Grantor to assemble the Intellectual Property Collateral and any tangible property in which Agent has a security interest and to make it available to Agent at a place designated by Agent. Agent shall have a non-exclusive, royalty free license to use the Copyrights, Patents, Trademarks, and Mask Works to the extent reasonably necessary to permit Agent to exercise its rights and remedies upon the occurrence of an Event of Default. Grantor will pay any expenses (including reasonable attorney's fees) incurred by Agent or the Lenders in connection with the exercise of any of Agent's rights hereunder, including without limitation any expense incurred in disposing of the Intellectual Property Collateral. All of Agent's rights and remedies with respect to the Intellectual Property Collateral shall be cumulative.

9. Indemnity. Grantor agrees to defend, indemnify and hold harmless Agent and its officers, employees, and agents against: (a) all obligations, demands, claims, and liabilities claimed or asserted by any other party in connection with the transactions contemplated by this IP Agreement, and (b) all losses or expenses in any way suffered, incurred, or paid by Agent as a result of or in any way arising out of, following or consequential to transactions between Agent, Lenders and Grantor, whether under this IP Agreement or otherwise (including without limitation, reasonable attorneys fees and reasonable expenses), except for losses arising from or out of Agent's gross negligence or willful misconduct.

10. Termination. At such time as Grantor shall completely satisfy all of the obligations secured hereunder, Agent shall execute and deliver to Grantor all releases, terminations, and other instruments as may be necessary or proper to release the security interest hereunder.

11. Course of Dealing. No course of dealing, nor any failure to exercise, nor any delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

12. Amendments. This IP Agreement may be amended only by a written instrument signed by both parties hereto.

13. Counterparts. This IP Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument.

14. Law and Jurisdiction. California law governs this IP Agreement without regard to principles of conflicts of law. Borrower and Agent each submit to the exclusive jurisdiction of the State and Federal courts in California; provided, however, that nothing in this Agreement shall be deemed to operate to preclude Agent from bringing suit or taking other legal action in any other jurisdiction to realize on the Collateral or any other security for the Obligations, or to enforce a judgment or other court order in favor of Agent. Borrower expressly submits and consents in advance to such jurisdiction in any action or suit commenced in any such court, and Borrower hereby waives any objection that it may have based upon lack of personal jurisdiction, improper venue, or forum non conveniens and hereby consents to the granting of such legal or equitable relief as is deemed appropriate by such court. Borrower hereby waives personal service of the summons, complaints, and other process issued in such action or suit and agrees that service of such summons, complaints, and other process may be made by registered or certified mail addressed to Borrower at the address set forth in Section 10 of the Loan Agreement and that service so made shall be deemed completed upon the earlier to occur of Borrower's actual receipt thereof or three (3) days after deposit in the U.S. mails, proper postage prepaid.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, BORROWER AND AGENT EACH WAIVE THEIR RIGHT TO A JURY TRIAL OF ANY CLAIM OR CAUSE OF ACTION ARISING OUT OF OR BASED UPON THIS IP AGREEMENT, THE LOAN DOCUMENTS OR ANY CONTEMPLATED TRANSACTION, INCLUDING CONTRACT, TORT, BREACH OF DUTY AND ALL OTHER CLAIMS. THIS WAIVER IS A MATERIAL INDUCEMENT FOR BOTH PARTIES TO ENTER INTO THIS AGREEMENT. EACH PARTY HAS REVIEWED THIS WAIVER WITH ITS COUNSEL.**

15. Confidentiality. In handling any confidential information, Agent shall exercise the same degree of care that it exercises for its own proprietary information, but disclosure of information may be made: (i) to Agent's subsidiaries or affiliates in connection with their present or prospective business relations with Grantor; (ii) to prospective transferees or purchasers of any interest in the loans made by Agent to Grantor pursuant to the Loan Agreement; (iii) as required by law, regulation, subpoena, or other order, (iv) as required in connection with Agent's examination or audit; and (v) as Agent considers appropriate in exercising remedies under this Agreement. Confidential information does not include information that either: (i) is in the public domain or in Agent's possession when disclosed to Agent, or becomes part of the public domain after disclosure to Agent (other than as a result of Agent's gross negligence or willful misconduct in publically disclosing such information); or (ii) is disclosed to Agent by a third party, if Agent does not know that the third party is prohibited from disclosing the information.

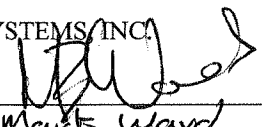
[Signature page follows.]



IN WITNESS WHEREOF, the parties hereto have caused this IP Agreement to be executed as of the date first above written.

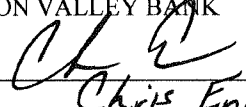
GRANTOR:

COPAN SYSTEMS, INC.

By   
Name: Mark Ward  
Title: CEO

AGENT:

SILICON VALLEY BANK

By   
Name: Chris Ennis  
Title: Relationship Manager

**COPAN Patent Portfolio**

Date: November 1, 2008

1. Title: Data Flow Engine
  - Description: Pipelined storage processing hardware design for building high-performance storage controllersStatus: **Abandoned**
  
2. Title: Method and Apparatus for Efficient Scalable Storage Management
  - Description: low-cost low-footprint storage controller utilizing Data Flow Engine with embedded storage management supportStatus: **Issued: # 7,181,578**
  
3. Title: Method and Apparatus for Power-Efficient High-Capacity Scalable Storage System
  - Description: fine-grained power-managed RAID, three-tier architecture, and the basic elements of Disk AerobicsStatus: **Issued: # 7,035,972**
  
4. Title: Method and Apparatus for Power-Efficient High-Capacity Scalable Storage System – 2
  - Description: CIP with added claims that generalizes use of power-managed RAIDStatus: **Issued: # 7,210,005**
  
5. Title: Background processing of Data in a Storage System
  - Description: Method for processing storage tasks in the background without impact to performanceStatus: **Issued: # 7,380,060**
  
6. Title: Method for an Workload-Adaptive High Performance Storage System with Data Protection
  - Description: Adaptive I/O bandwidth scaling on three-tier architectureStatus: **Issued: # 7,152,142**
  
7. Title: Workload-Adaptive Storage System with Static Allocation
  - Description: Adaptive I/O bandwidth scaling on three-tier architectureStatus: **Issued: # 7,222,216**
  
8. Title: High-density Storage Systems Using Hierarchical Interconnect
  - Description: three-tier storage interconnect architecture without use of power-managed RAIDStatus: **Pending**

9. Title: Method and Apparatus for RAID Just in Time Spare Management
  - Description: Real-time spare management coordinated with power-managed RAID
 Status: **Issued: #7,434,090**
10. Title: Method and apparatus for priority based power-managed RAID
  - Description: Application-driven power management of disks in MAID
 Status: Pending
11. Title: Apparatus for a Storage Command and Data Router
  - Description: ASIC design for Canister Controller
 Status: **Issued: #7,360,010**
12. Title: Method and Apparatus for Compression in Storage Systems
  - Description: Block-level scalable lossless data compression within storage enclosure/shelf
 Status: Pending
13. Title: Method of Optimal Packaging of Disk Drives in a Data Storage Systems
  - Description: high-density packaging of disks and configuration of canister
 Status: **Issued: #7,145,770**
14. Title: Space-Efficient Implementation of SATA Command and Data Router
  - Description: Efficient implementation of SATA routing in canister controller ASIC/FPGA
 Status: Pending
15. Title: Optimal vibration isolation of disk drives in a data storage product
  - Description: vibration dampening and isolation method for high-density packaging of disks in shelf enclosure
 Status: **Issued: #7,187,543**
16. Title: Method and Apparatus for Efficient Fault Tolerant Disk Drive Replacement in RAID Storage Systems
  - Description: ghost mirroring of spare drives in power-managed RAID, and approach to recover and migrate data from failing drive
 Status: **Issued: #7,434,097**
17. Title: Method for Proactive Drive Replacement for High Availability Storage Systems
  - Description: algorithms and heuristics to determine when to replace drive before failure to initiate data migration
 Status: **Issued: #7,373,559**
18. Title: Method and System for Disk Drive Exercise and Maintenance of High-Availability Storage Systems

- Description: detailed approach for exercising (“Disk Aerobics”) powered-off drives to improve disk health in MAID  
Status: **Issued Patent 4/22/2008, Application # 20080114948**
19. Title: Background Processing with Power-Managed Disk Systems
    - Description: General approach for storage/data processing for persistent data storage services in background during off-cycles in MAID  
Status: **Issued: #7,210,004**
  20. Title: Proactive Data Reliability in a Power-Managed Storage System
    - Description: proactive disk scrubbing in the background to correct errors in data blocks prior to next I/O access  
Status: Pending
  21. Title: Method and Apparatus for Virtual Tape Library using Power-Cycled Disk Systems
    - Description: efficient VTL design tuned for power-managed RAID and MAID  
Status: **Claims Approved**
  22. Title: Method and System for Accessing Auxiliary Data in Power-Efficient High-Capacity Scalable Storage System
    - Description: Always-On-Regions for applications, such as file systems, using native MAID disk for always-online application metadata, etc.  
Status: **7,330,931**
  23. Title: System for Archival Storage of Data
    - Description: File Archiver design for large-scale file store and retrieve on MAID  
Status: Pending
  24. Title: User Interface for A System for Archival Storage of Data
    - Description: Millennium Archive software design for file archiving on MAID  
Status: Pending
  25. Title: Dynamic Views and Access of Archived File Data
    - Description: provide different user-specified views – static and dynamic of the archive data  
Status: Pending

### . COPAN Trademarks

1. COPAN Systems filed in EU, US (in process) and China (in process)  
<http://tess2.uspto.gov/bin/showfield?f=doc&state=ks708l.8.2> )
2. COPAN Systems logo – in progress
3. “Power Managed RAID”, filed November 10, 2003, granted October 25, 2005  
(Reg. No. 3,009,749  
<http://tess2.uspto.gov/bin/showfield?f=doc&state=ks708l.2.1> )
4. “Disk Aerobics,” filed November 10, 2003, granted December 20, 2005 (Reg. No. 3,032,895  
<http://tess2.uspto.gov/bin/showfield?f=doc&state=ks708l.6.1> )
5. “Millennia Archive,” filed February 3, 2006; granted February 13, 2007 (Reg. No. 3314309  
<http://tess2.uspto.gov/bin/showfield?f=doc&state=ks708l.7.1> )
6. “Cool Bytes,” filed December 15, 2006; - no longer pursuing
7. “Always-on Region”, US in process  
(<http://tess2.uspto.gov/bin/showfield?f=doc&state=46unev.12.1> )
8. “Auto Power Swap” , US in process
9. “MAID Ready”, filed December, 2007; - no longer pursuing  
(<http://tess2.uspto.gov/bin/showfield?f=doc&state=46unev.4.1> )
10. “MAID Aware” in process –  
( <http://tess2.uspto.gov/bin/showfield?f=doc&state=46unev.6.1> )
11. “Persistent Filer” in process  
(<http://tess2.uspto.gov/bin/showfield?f=doc&state=46unev.2.1> )
12. “Enterprise MAID” new –

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**1. Overview**

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Below is the result of a search result on US Patent and Trademark Office (<http://www.uspto.gov/>) for "issued" patents for COPAN Systems

**1.1 Patent Search Results**

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PAT. NO.	Title
1 <a href="#">7,434,097</a>	<b>T</b> <a href="#">Method and apparatus for efficient fault-tolerant disk drive replacement in raid storage systems</a>
2 <a href="#">7,434,090</a>	<b>T</b> <a href="#">Method and apparatus for just in time RAID spare drive pool management</a>
3 <a href="#">7,380,060</a>	<b>T</b> <a href="#">Background processing of data in a storage system</a>
4 <a href="#">7,373,559</a>	<b>T</b> <a href="#">Method and system for proactive drive replacement for high availability storage systems</a>
5 <a href="#">7,360,010</a>	<b>T</b> <a href="#">Method and apparatus for storage command and data router</a>
6 <a href="#">7,330,931</a>	<b>T</b> <a href="#">Method and system for accessing auxiliary data in power-efficient high-capacity scalable storage system</a>
7 <a href="#">7,266,668</a>	<b>T</b> <a href="#">Method and system for accessing a plurality of storage devices</a>
8 <a href="#">7,222,216</a>	<b>T</b> <a href="#">Workload-adaptive storage system with static allocation</a>
9 <a href="#">7,210,005</a>	<b>T</b> <a href="#">Method and apparatus for power-efficient high-capacity scalable storage system</a>
10 <a href="#">7,210,004</a>	<b>T</b> <a href="#">Method and system for background processing of data in a storage system</a>
11 <a href="#">7,187,543</a>	<b>T</b> <a href="#">System for optimal vibration isolation of disk drives in a data storage device</a>
12 <a href="#">7,181,578</a>	<b>T</b> <a href="#">Method and apparatus for efficient scalable storage management</a>
13 <a href="#">7,152,142</a>	<b>T</b> <a href="#">Method for a workload-adaptive high performance storage system with data protection</a>
14 <a href="#">7,145,770</a>	<b>T</b> <a href="#">Method and apparatus of packaging disk drives in a data storage system</a>
15 <a href="#">7,035,972</a>	<b>T</b> <a href="#">Method and apparatus for power-efficient high-capacity scalable storage system</a>