

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5405129

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NO 13/415,823 PREVIOUSLY RECORDED IN ERROR AS 13/514,823 previously recorded on Reel 035807 Frame 0706. Assignor(s) hereby confirms the CONVEYING PARTY NAME PREVIOUSLY RECORDED ON REEL 035561 FRAME 0363..	
CONVEYING PARTY DATA		
	Name	Execution Date
	JPMORGAN CHASE BANK, N.A.	04/24/2015
RECEIVING PARTY DATA		
Name:	RIVERBED TECHNOLOGY, INC.	
Street Address:	199 FREMONT STREET	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94105	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	13415823
CORRESPONDENCE DATA		
Fax Number:	(530)759-1665	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	530-759-1661	
Email:	jeannie@parklegal.com	
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Address Line 1:	PARK, VAUGHAN, FLEMING & DOWLER LLP	
Address Line 2:	2820 FIFTH STREET	
Address Line 4:	DAVIS, CALIFORNIA 95618	
ATTORNEY DOCKET NUMBER:	RIV-0916-4	
NAME OF SUBMITTER:	A. RICHARD PARK	
SIGNATURE:	/A. Richard Park/	
DATE SIGNED:	03/05/2019	
Total Attachments: 30		
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3378217

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY NAME previously recorded on Reel 035521 Frame 0069. Assignor(s) hereby confirms the RELEASE OF SECURITY INTEREST IN PATENTS.	
CONVEYING PARTY DATA		
Name		Execution Date
JPMORGAN CHASE BANK, N.A.		04/24/2015
RECEIVING PARTY DATA		
Name:	RIVERBED TECHNOLOGY, INC.	
Street Address:	199 FREMONT STREET	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94105	
PROPERTY NUMBERS Total: 286		
Property Type	Number	
Patent Number:	5945933	
Patent Number:	6266337	
Patent Number:	6278963	
Patent Number:	6240416	
Patent Number:	6121903	
Patent Number:	6600752	
Patent Number:	6674717	
Patent Number:	6820042	
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Patent Number:	6947381	
Patent Number:	7072297	
Patent Number:	7551560	
Patent Number:	7333431	
Patent Number:	7248564	
Patent Number:	6968540	
Patent Number:	7702806	
Patent Number:	7278159	
Patent Number:	7836498	

PATENT

Property Type	Number
Patent Number:	7743134
Patent Number:	7124440
Patent Number:	7043759
Patent Number:	7398317
Patent Number:	7213264
Patent Number:	7743415
Patent Number:	7657934
Patent Number:	7219047
Patent Number:	7581023
Patent Number:	6643613
Patent Number:	7337206
Patent Number:	7277843
Patent Number:	7076695
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Patent Number:	7509229
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Patent Number:	6667700
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Patent Number:	8069225
Patent Number:	7650416
Patent Number:	7318100
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Patent Number:	8479057
Patent Number:	7363656
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Patent Number:	8090809
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Patent Number:	7848259
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Patent Number:	8462624
Patent Number:	8411570
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Patent Number:	8130759
Patent Number:	7688743
Patent Number:	8249094
Patent Number:	7693699
Patent Number:	8230491
Patent Number:	8493883
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Patent Number:	7730099
Patent Number:	8140665
Patent Number:	7477166
Patent Number:	7733910
Patent Number:	8577956
Patent Number:	8447802

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Patent Number:	8463843
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Patent Number:	7769834
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Patent Number:	8228804
Patent Number:	8166004
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Patent Number:	8176186
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Patent Number:	7885206
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Patent Number:	8370309
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Patent Number:	8144627
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Application Number:	10880332
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Application Number:	11776708
Application Number:	11776721
Application Number:	11941186
Application Number:	12117629
Application Number:	12266054
Application Number:	12296062
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Application Number:	12853729
Application Number:	12878992

Property Type	Number
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Application Number:	12907225
Application Number:	12978056
Application Number:	13070064
Application Number:	13070089
Application Number:	13074602
Application Number:	13165589
Patent Number:	8516158
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Patent Number:	8244691
Patent Number:	8312139
Patent Number:	8386637
Patent Number:	8601122
Patent Number:	8402085
Patent Number:	8321580
Application Number:	13170063
Application Number:	13282393
Application Number:	13315619
Application Number:	13365484
Application Number:	13365496
Application Number:	13400973
Application Number:	13410689
Application Number:	13412615
Application Number:	13415821
Application Number:	13514823
Application Number:	13454050
Application Number:	13464713
Application Number:	13471956
Application Number:	13487895
Application Number:	13530740
Application Number:	13556178
Application Number:	13568988
Application Number:	13570572
Application Number:	13645688
Application Number:	13657541
Application Number:	13677283
Application Number:	13693165
Application Number:	13715381

Property Type	Number
Application Number:	13725926
Application Number:	13745055
Application Number:	13746273
Application Number:	13772011
Application Number:	13867499
Application Number:	13874044
Application Number:	13949162
Application Number:	13949163
Application Number:	13965605
Application Number:	13975049
Application Number:	14042863
Application Number:	14060271
Application Number:	14062489
Patent Number:	8745198
Patent Number:	8589530
Patent Number:	8799472
Patent Number:	8990061
Patent Number:	8578479
Patent Number:	8613071
Patent Number:	8824429
Application Number:	11501389
Patent Number:	8914726
Patent Number:	8898734
Patent Number:	8694621
Application Number:	11506650
Patent Number:	8824282
Patent Number:	8676964
Patent Number:	8635361
Patent Number:	8707043
Application Number:	12416067
Patent Number:	8990433
Patent Number:	8954957
Patent Number:	8634437
Patent Number:	8635346
Patent Number:	8971345
Patent Number:	9009252
Patent Number:	8811193
Patent Number:	9014012

Property Type	Number
Patent Number:	8850161
Patent Number:	8393435
Patent Number:	8635334
Patent Number:	8607229
Patent Number:	8681614
Patent Number:	8756312
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Patent Number:	8724494
Patent Number:	8739244
Patent Number:	8670352
Patent Number:	8745215
Patent Number:	8843636
Patent Number:	8699493
Patent Number:	8700958
Patent Number:	9036493
Patent Number:	8971196
Patent Number:	8743736
Patent Number:	8938553
Patent Number:	8782395
Patent Number:	8725741
Patent Number:	8743742
Patent Number:	8804521
Patent Number:	8948049
Patent Number:	8688844
Patent Number:	8745320
Patent Number:	9009304
Patent Number:	8792493
Patent Number:	9009322
Patent Number:	8826412
Patent Number:	8762455
Patent Number:	8693493
Patent Number:	8661438
Patent Number:	8914503
Patent Number:	8934376
Patent Number:	8671205
Patent Number:	8891379
Patent Number:	8762569
Patent Number:	8856222

Property Type	Number
Patent Number:	9007912

CORRESPONDENCE DATA

Fax Number: (800)494-7512

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: ipteam@nationalcorp.com

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Address Line 2: NATIONAL CORPORATE RESEARCH, LTD

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	F156193
NAME OF SUBMITTER:	BINA NAYEE
SIGNATURE:	/Bina Nayee/
DATE SIGNED:	06/02/2015

Total Attachments: 21

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3329482

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN PATENTS
CONVEYING PARTY DATA	
Name	Execution Date
BARCLAYS BANK PLC	04/24/2015
RECEIVING PARTY DATA	
Name:	RIVERBED TECHNOLOGY, INC.
Street Address:	199 FREMONT STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94105
PROPERTY NUMBERS Total: 286	
Property Type	Number
Patent Number:	5945933
Patent Number:	6266337
Patent Number:	6278963
Patent Number:	6240416
Patent Number:	6121903
Patent Number:	6600752
Patent Number:	6674717
Patent Number:	6820042
Patent Number:	6823382
Patent Number:	6990071
Patent Number:	6947381
Patent Number:	7072297
Patent Number:	7551560
Patent Number:	7333431
Patent Number:	7248564
Patent Number:	6968540
Patent Number:	7702806
Patent Number:	7278159
Patent Number:	7836498
Patent Number:	7743134

RELEASE OF SECURITY INTEREST IN PATENTS

This **RELEASE OF SECURITY INTEREST IN PATENTS**, dated as of April 24, 2015 (this "Release"), is made by **JPMORGAN CHASE BANK, N.A.** (the "Assignor"), in its capacity as collateral agent, in favor of **RIVERBED TECHNOLOGY, INC.**, a Delaware corporation (the "Assignee"). Capitalized terms used but not defined herein shall have the meanings set forth in the Guarantee Agreement (as defined below).

W I T N E S S E T H:

WHEREAS, the Assignor and the Assignee are parties to (i) that certain Guarantee and Collateral Agreement, dated as of December 20, 2013 (as amended, amended and restated, extended, supplemented or otherwise modified from time to time, the "Guarantee Agreement") and (ii) that certain Patent Security Agreement, dated as of December 20, 2013 (the "Patent Security Agreement");

WHEREAS, pursuant to the Guarantee Agreement and the Patent Security Agreement, the Assignee granted to the Assignor, for the benefit of the Secured Parties, a continuing security interest in all of the Assignee's right, title and interest in or to any and all Patents, including those listed on Schedule 1 hereto, and all Proceeds of any of the foregoing, in each case, now owned or at any time hereafter acquired by the Assignee or in which the Assignee now has or at any time in the future may acquire any right, title or interest (collectively, the "Patent Collateral");

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on December 27, 2013, on Reel 032421, Frame 0162;

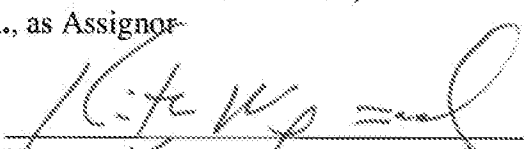
WHEREAS, the Assignee desires that the Assignor terminate and release its continuing security interest in all of the Assignee's right, title and interest in or to the Patent Collateral.

NOW THEREFORE, in consideration of the premises, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor hereby (i) terminates, releases and discharges fully, without representation, warranty or recourse of any kind, its continuing security interest in the Assignee's right, title and interest in or to the Patent Collateral; (ii) reassigns and transfers to the Assignee all right, title and interest that the Assignor may have in the Patent Collateral; (iii) absolutely, unconditionally and irrevocably terminates the Guarantee Agreement and the Patent Security Agreement, other than, in each case, the terms and obligations that expressly survive the termination thereof; and (iv) agrees to execute all other documents and to do all other acts reasonably necessary to relinquish and effect the release of its security interest in the Patent Collateral to the Assignee and effect any other actions or agreements contemplated hereby.

The Assignor hereby authorizes the Assignee, or the Assignee's authorized representative, to file, and requests that the United States Patent and Trademark Office record, this Release and any other filings necessary to evidence the release and termination of the Assignor's security interest in the Patent Collateral.

IN WITNESS WHEREOF, this Release of Security Interest in Patents has been duly executed as of the date first written above.

JPMORGAN CHASE BANK,
N.A., as Assignor

By: 

Name: Karen W. Winters

Title: Senior Director

SCHEDULE 1
to
RELEASE OF SECURITY INTEREST IN PATENTS
U.S. PATENT REGISTRATIONS AND APPLICATIONS

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	09/013,980	5,945,933	1/27/1998	8/31/1999	Adaptive Packet Compression Apparatus and Method
Riverbed Technology, Inc.	09/103,621	6,266,337	6/23/1998	7/24/2001	Packet Retransmission Eliminator
Riverbed Technology, Inc.	09/108,503	6,278,963	7/1/1998	8/21/2001	System Architecture for Distribution of Discrete-Event Simulations
Riverbed Technology, Inc.	09/151,748	6,240,416	9/11/1998	5/29/2001	Distributed Metadata System and Method
Riverbed Technology, Inc.	09/218,953	6,121,903	12/22/1998	9/19/2000	On-The-Fly Data Re-Compression
Riverbed Technology, Inc.	09/345,249	6,600,752	6/30/1999	7/29/2003	Method for Reducing Excess Queue Time in Communication Nodes
Riverbed Technology, Inc.	09/539,434	6,674,717	3/30/2000	1/6/2004	Method for Reducing Packet Loss and Increasing Internet Flow by Feedback Control
Riverbed Technology, Inc.	09/624,092	6,820,042	7/24/2000	11/16/2004	Mixed Mode Network Simulator
Riverbed Technology, Inc.	09/682,324	6,823,382	8/20/2001	11/23/2004	Monitoring and Control Engine for Multi-Tiered Service-Level Management of Distributed Web-Application Servers
Riverbed Technology, Inc.	09/846,174	6,990,071	3/30/2000	1/24/2006	Method for Reducing Fetch Time in a Congested Communications Network
Riverbed Technology, Inc.	09/846,449	6,947,381	4/30/2001	9/20/2005	Method for Reducing Packet Loss by Phase Transition Identification in Communication Networks
Riverbed Technology, Inc.	09/846,450	7,072,297	4/30/2001	7/4/2006	Method for Dynamical Identification of Network Congestion Characteristics
Riverbed Technology, Inc.	09/846,451	7,551,560	4/30/2001	6/23/2009	Method of Reducing Packet Loss by Resonance Identification in Communication Networks

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	09/846,452	7,333,431	3/30/2000	2/19/2008	Method for Accelerating TCP Flows in Communication Networks with Dynamic Control
Riverbed Technology, Inc.	09/854,321	7,248,564	4/30/2001	7/24/2007	Method for Determining Network Congestion and Link Capacities
Riverbed Technology, Inc.	09/879,838	6,968,540	6/21/2001	11/22/2005	Software Instrumentation Method and Apparatus
Riverbed Technology, Inc.	09/931,223	7,702,806	8/16/2001	4/20/2010	Statistics Collection for Network Traffic
Riverbed Technology, Inc.	09/931,291	7,278,159	8/16/2001	10/2/2007	Coordinated Thwarting of Denial of Service Attacks
Riverbed Technology, Inc.	09/931,344	7,836,498	8/16/2001	11/16/2010	Device to Protect Victim Sites During Denial of Service Attacks
Riverbed Technology, Inc.	09/931,487	7,743,134	8/16/2001	6/22/2010	Thwarting Source Address Spoofing-Based Denial of Service Attacks
Riverbed Technology, Inc.	09/931,558	7,124,440	8/16/2001	10/17/2006	Monitoring Network Traffic Denial of Service Attacks
Riverbed Technology, Inc.	09/931,561	7,043,759	8/16/2001	5/9/2006	Architecture to Thwart Denial of Service Attacks
Riverbed Technology, Inc.	09/946,787	7,398,317	9/5/2001	7/8/2008	Thwarting Connection-Based Denial of Service Attacks
Riverbed Technology, Inc.	10/062,974	7,213,264	1/31/2002	5/1/2007	Architecture to Thwart Denial of Service Attacks
Riverbed Technology, Inc.	10/066,232	7,743,415	1/31/2002	6/22/2010	Denial of Service Attacks Characterization
Riverbed Technology, Inc.	10/066,252	7,657,934	1/31/2002	2/2/2010	Architecture to Thwart Denial of Service Attacks
Riverbed Technology, Inc.	10/112,179	7,219,047	3/28/2002	5/15/2007	Simulation with Convergence-Detection Skip-Ahead
Riverbed Technology, Inc.	10/137,744	7,581,023	4/30/2002	8/25/2009	Architecture to Thwart Denial of Service Attacks
Riverbed Technology, Inc.	10/186,401	6,643,613	7/1/2002	11/4/2003	System and Method for Monitoring Performance Metrics
Riverbed Technology, Inc.	10/195,904	7,337,206	7/15/2002	2/26/2008	Method for Detecting Congestion in Internet Traffic
Riverbed Technology, Inc.	10/195,905	7,277,843	7/15/2002	10/2/2007	Method for Real-Time Auto-Detection of Outliers
Riverbed Technology, Inc.	10/198,689	7,076,695	7/18/2002	7/11/2006	System and Methods for Adaptive Threshold Determination for Performance Metrics
Riverbed Technology, Inc.	10/205,101	6,928,472	7/23/2002	8/9/2005	Method for Correlating Congestion to Performance Metrics in Internet Traffic

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	10/205,135	7,509,229	7/23/2002	3/24/2009	Bayesian Approach to Correlating Congestion to Performance Metrics in Internet Traffic
Riverbed Technology, Inc.	10/243,534	7,219,034	9/13/2002	5/15/2007	System and Methods for Display of Time-Series Data Distribution
Riverbed Technology, Inc.	10/285,315	7,120,666	10/30/2002	10/10/2006	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	10/285,330	6,667,700	10/30/2002	12/23/2003	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	10/325,148	7,139,692	12/20/2002	11/21/2006	Flow Propagation Analysis Using Iterative Signaling
Riverbed Technology, Inc.	10/640,405	8,069,225	8/12/2003	11/29/2011	TRANSPARENT CLIENT-SERVER TRANSACTION ACCELERATOR
Riverbed Technology, Inc.	10/640,459	7,650,416	8/12/2003	1/19/2010	CONTENT DELIVERY FOR CLIENT-SERVER PROTOCOLS WITH USER AFFINITIES USING CONNECTION END-POINT PROXIES
Riverbed Technology, Inc.	10/640,562	7,318,100	8/12/2003	1/8/2008	COOPERATIVE PROXY AUTO-DISCOVERY AND CONNECTION INTERCEPTION
Riverbed Technology, Inc.	10/701,154	8,504,879	11/3/2003	8/6/2013	Connection Based Anomaly Detection
Riverbed Technology, Inc.	10/701,155	7,827,272	11/3/2003	11/2/2010	Connection Table for Intrusion Detection
Riverbed Technology, Inc.	10/701,157	7,774,839	11/3/2003	8/10/2010	Feedback Mechanism to Minimize False Assertions of a Network Intrusion
Riverbed Technology, Inc.	10/701,346	7,949,737	11/3/2003	5/24/2011	Method and Apparatus for Grouping Nodes Based on Connection Characteristics
Riverbed Technology, Inc.	10/701,356	8,479,057	11/3/2003	7/2/2013	Aggregator for Connection Based Anomaly Detection
Riverbed Technology, Inc.	10/701,376	7,363,656	11/3/2003	4/22/2008	Event Detection/Anomaly Correlation Heuristics
Riverbed Technology, Inc.	10/701,381	8,191,136	11/3/2003	5/29/2012	Role Classification of Hosts within Enterprise Networks Based on Connection Patterns
Riverbed Technology, Inc.	10/701,392	8,090,809	11/3/2003	1/3/2012	Role Grouping

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	10/701,400	7,461,404	11/3/2003	12/2/2008	Detection of Unauthorized Access in a Network
Riverbed Technology, Inc.	10/701,404	7,716,737	11/3/2003	5/11/2010	Connection Based Denial of Service Detection
Riverbed Technology, Inc.	10/702,073	7,664,963	11/3/2003	2/16/2010	Data Collectors in Connection-Based Intrusion Detection
Riverbed Technology, Inc.	10/731,687	6,828,925	12/8/2003	12/7/2004	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	10/803,167	7,698,730	3/16/2004	4/13/2010	Service Detection
Riverbed Technology, Inc.	10/821,558	7,254,389	4/9/2004	8/7/2007	Wireless Link Simulation with Generic Caching
Riverbed Technology, Inc.	10/845,517	7,848,259	5/14/2004	12/7/2010	System and Methods for Inferring Services on a Network
Riverbed Technology, Inc.	10/880,332		6/28/2004		Rule Based Alerting in Anomaly Detection
Riverbed Technology, Inc.	10/880,333	7,929,534	6/28/2004	4/19/2011	Flow Logging for Connection-Based Anomaly Detection
Riverbed Technology, Inc.	10/903,585	8,010,643	8/2/2004	8/30/2011	System and Methods for Simulating Traffic Generation
Riverbed Technology, Inc.	10/903,586	8,130,661	8/2/2004	3/6/2012	Systems and Methods for Intelligent Probe Testing
Riverbed Technology, Inc.	10/914,603	7,570,669	8/6/2004	8/4/2009	Synchronizing Packet Traces
Riverbed Technology, Inc.	10/923,214	7,469,203	8/20/2004	12/23/2008	Wireless Network Hybrid Simulation
Riverbed Technology, Inc.	10/923,576	7,443,870	8/20/2004	10/28/2008	Method for Prioritizing Grouped Data Reduction
Riverbed Technology, Inc.	10/937,986		9/10/2004		Method and System for Grouping Diagnostic Information
Riverbed Technology, Inc.	10/955,450	7,706,273	9/30/2004	4/27/2010	Port Tracking on Dynamically Negotiated Ports
Riverbed Technology, Inc.	10/957,850	7,764,626	10/4/2004	7/27/2010	Role Grouping of Hosts in Computer Networks
Riverbed Technology, Inc.	10/968,868	6,961,009	10/18/2004	11/1/2005	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	10/974,386	7,760,653	10/26/2004	7/20/2010	Stackable Aggregation for Connection Based Anomaly Detection
Riverbed Technology, Inc.	11/001,985		12/1/2004		Method for Discovery and Troubleshooting of Network Application Usage and Performance Issues
Riverbed Technology, Inc.	11/061,978	7,519,700	2/18/2005	4/14/2009	Method and System for Topological Navigation of Hierarchical Data Groups
Riverbed Technology, Inc.	11/092,226		3/28/2005		Method and System for Managing a Distributed Network of Network Monitoring Devices
Riverbed Technology, Inc.	11/124,830		5/9/2005		Managing the Flow of Data Traffic
Riverbed Technology, Inc.	11/125,562	8,005,019	5/10/2005	8/23/2011	Fuzzy Routing
Riverbed Technology, Inc.	11/145,201	8,412,685	6/3/2005	4/2/2013	METHOD AND SYSTEM FOR MANAGING DATA
Riverbed Technology, Inc.	11/173,752	7,729,240	6/30/2005	6/1/2010	Method and System for Identifying Duplicate Packets in Flow-Based Network Monitoring System
Riverbed Technology, Inc.	11/173,758	7,593,351	6/30/2005	9/22/2009	Method and System for Collecting and Consolidating Network Traffic Information
Riverbed Technology, Inc.	11/180,878		7/13/2005		Packet Tracing
Riverbed Technology, Inc.	11/180,879	7,729,256	7/13/2005	6/1/2010	Correlating Packets
Riverbed Technology, Inc.	11/180,888		7/13/2005		Network Difference Reporting
Riverbed Technology, Inc.	11/223,789	7,116,249	9/8/2005	10/3/2006	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	11/229,016	7,428,573	9/15/2005	9/23/2008	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATION SYSTEMS
Riverbed Technology, Inc.	11/242,540		10/3/2005		Peer signaling protocol and system for decentralized traffic management
Riverbed Technology, Inc.	11/243,068	8,364,815	10/3/2005	1/29/2013	RELIABILITY AND AVAILABILITY OF DISTRIBUTED SERVERS
Riverbed Technology, Inc.	11/273,861	7,853,699	11/14/2005	12/14/2010	RULES-BASED TRANSACTION PREFETCHING USING CONNECTION END-POINT PROXIES

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	11/358,536	8,195,443	2/21/2006	6/5/2012	Predictive Modeling and Graphical Editing of Application Logic
Riverbed Technology, Inc.	11/358,538		2/21/2006		Tracking, Analyzing, and Visualizing Application Delay
Riverbed Technology, Inc.	11/387,087		3/21/2006		Email-Based Worm Propagation Properties
Riverbed Technology, Inc.	11/387,092		3/21/2006		Worm Propagation Mitigation
Riverbed Technology, Inc.	11/387,114	8,006,306	3/21/2006	8/23/2011	Exploit-Based Worm Propagation Mitigation
Riverbed Technology, Inc.	11/397,359	7,885,200	4/4/2006	2/8/2011	Application Delay Analysis
Riverbed Technology, Inc.	11/489,414		7/18/2006		SPLIT TERMINATION FOR SECURE COMMUNICATION PROTOCOLS
Riverbed Technology, Inc.	11/490,586		7/21/2006		Automatic Estimation of Node Location Based on Trace Information
Riverbed Technology, Inc.	11/494,025	8,462,624	7/26/2006	6/11/2013	CONGESTION MANAGEMENT OVER LOSSY NETWORK CONNECTIONS
Riverbed Technology, Inc.	11/494,352	8,411,570	7/26/2006	4/2/2013	SERIAL CLUSTER
Riverbed Technology, Inc.	11/494,364	8,204,058	7/26/2006	6/19/2012	AUTOMATIC FRAMING SELECTION
Riverbed Technology, Inc.	11/494,441	8,130,759	7/27/2006	3/6/2012	Routing Validation
Riverbed Technology, Inc.	11/494,692	7,688,743	7/27/2006	3/30/2010	Tracing Routing Differences
Riverbed Technology, Inc.	11/501,388	8,249,094	8/9/2006	8/21/2012	Wireless MAC and Link-Layer Simulation Modeling
Riverbed Technology, Inc.	11/501,389		8/9/2006		Disparate Network Model Synchronization
Riverbed Technology, Inc.	11/503,553	7,693,699	8/11/2006	4/6/2010	Incremental Update of Virtual Devices in a Modeled Network
Riverbed Technology, Inc.	11/503,554	8,230,491	8/11/2006	7/24/2012	Automatic Access to Network Devices Using Various Authentication Schemes
Riverbed Technology, Inc.	11/503,555		8/11/2006		Visualizing a Complex Network Based on a Set of Objects of Interest
Riverbed Technology, Inc.	11/505,171		8/16/2006		Analyzing Security Compliance Within a Network
Riverbed Technology, Inc.	11/505,176		8/16/2006		Capture, Analysis, and Visualization of Concurrent System and Network Behavior of an Application

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	11/505,228	8,493,883	8/16/2006	7/23/2013	A Method for Identifying and Analyzing Network Configuration Differences
Riverbed Technology, Inc.	11/506,648	7,894,369	8/18/2006	2/22/2011	Network Physical Connection Inference for IP Tunnels
Riverbed Technology, Inc.	11/506,650		8/18/2006		Integrated Debugging Environment for a Network Simulation
Riverbed Technology, Inc.	11/506,665	7,730,099	8/18/2006	6/1/2010	Storage and Retrieval of Richly Typed Hierarchical Network Models
Riverbed Technology, Inc.	11/507,114	8,140,665	8/19/2006	3/20/2012	Managing Captured Network Traffic Data
Riverbed Technology, Inc.	11/508,531	7,477,166	8/22/2006	1/13/2009	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	11/618,190	7,733,910	12/29/2006	6/8/2010	DATA SEMENTATION USING SHIFT-VARYING PREDICATE FUNCTION FINGERPRINTING
Riverbed Technology, Inc.	11/678,595	8,577,956	2/24/2007	11/5/2013	User-Configurable Network Performance Monitors
Riverbed Technology, Inc.	11/683,325	8,447,802	3/7/2007	5/21/2013	ADDRESS MANIPULATION TO PROVIDE FOR THE USE OF NETWORK TOOLS EVEN WHEN TRANSACTION ACCELERATION IS IN USE OVER A NETWORK
Riverbed Technology, Inc.	11/735,474	8,005,945	4/15/2007	8/23/2011	Aggregating Policy Criteria Parameters into Ranges for Efficient Network Analysis
Riverbed Technology, Inc.	11/752,283	7,843,815	5/22/2007	11/30/2010	Estimation of Time-Varying Latency Based on Network Trace Information
Riverbed Technology, Inc.	11/754,940	8,463,843	5/29/2007	6/11/2013	THROTTLING OF PREDICTIVE ACKS IN AN ACCELERATED NETWORK COMMUNICATION SYSTEM
Riverbed Technology, Inc.	11/755,089	8,095,645	5/30/2007	1/10/2012	Traffic Flow Inference Based on Link Loads and Gravity Measures

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	11/755,692	7,769,834	5/30/2007	8/3/2010	A SYSTEM FOR SELECTING A PROXY PAIR BASED ON CONFIGURATIONS OF AUTODISCOVERED
Riverbed Technology, Inc.	11/756,584	7,480,240	5/31/2007	1/20/2009	SERVICE CURVE MAPPING
Riverbed Technology, Inc.	11/762,688	8,462,629	6/13/2007	6/11/2013	COOPERATIVE OPERATION OF NETWORK TRANSPORT AND NETWORK QUALITY OF SERVICE MODULES
Riverbed Technology, Inc.	11/776,708		7/12/2007		Identifying and Reporting Differences in Network Activity Data Files
Riverbed Technology, Inc.	11/776,721		7/12/2007		Assessing Network and Device Compliance with Security Policies
Riverbed Technology, Inc.	11/776,736	7,839,790	7/12/2007	11/23/2010	Network Congestion Analysis
Riverbed Technology, Inc.	11/778,053	7,639,609	7/15/2007	12/29/2009	Controlled Incremental Multi-Protocol Label Switching (MPLS) Traffic Engineering
Riverbed Technology, Inc.	11/779,429	7,889,641	7/18/2007	2/15/2011	Path Flow Formulation for Fast Reroute Bypass Tunnels in MPLS
Riverbed Technology, Inc.	11/829,925	8,089,904	7/29/2007	1/3/2012	Link Inference in Large Networks Based on Incomplete Data
Riverbed Technology, Inc.	11/832,319	7,444,263	8/1/2007	10/28/2008	Performance Metric Collection and Automated Analysis
Riverbed Technology, Inc.	11/832,923	8,195,736	8/2/2007	6/5/2012	Mapping Virtual Internet Protocol Addresses
Riverbed Technology, Inc.	11/834,058	8,135,990	8/6/2007	3/13/2012	Multi-Variate Network Survivability Analysis
Riverbed Technology, Inc.	11/835,130	7,672,238	8/7/2007	3/2/2010	Mapping Off-Network Traffic to an Administered Network
Riverbed Technology, Inc.	11/838,417		8/14/2007		Network Simulation and Analysis Using Operational Forwarding Data
Riverbed Technology, Inc.	11/844,765	8,159,971	8/24/2007	4/17/2012	System and Method for Inferring Connectivity Among Network Segments in the Absence of Configuration Information
Riverbed Technology, Inc.	11/875,900	7,844,423	10/20/2007	11/30/2010	Component-Based Modeling of Wireless MAC Protocols for Efficient Simulations

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	11/941,186		11/16/2007		Modeling and Simulating Flow Propagation in Dynamic Bandwidth Systems
Riverbed Technology, Inc.	12/023,026	8,400,941	8/1/2003	3/19/2013	System and Methods for Inferring Services on a Network
Riverbed Technology, Inc.	12/044,861	8,533,310	3/7/2008	9/10/2013	METHOD AND APPARATUS FOR ACCELERATION BY PREFETCHING ASSOCIATED OBJECTS
Riverbed Technology, Inc.	12/060,271	8,095,649	4/1/2008	1/10/2012	Network Delay Analysis Including Parallel Delay Effects
Riverbed Technology, Inc.	12/098,436	7,813,281	4/6/2008	10/12/2010	Interactive MPLS Traffic Engineering
Riverbed Technology, Inc.	12/106,272	8,458,795	4/19/2008	6/4/2013	Event Detection/Anomaly Correlation Heuristics
Riverbed Technology, Inc.	12/117,629		5/8/2008		HYBRID SEGMENT-ORIENTED FILE SERVER AND WAN ACCELERATOR
Riverbed Technology, Inc.	12/140,184	8,463,941	6/16/2008	6/11/2013	CROSS-SESSION PROTOCOL ACCELERATION AND ITS APPLICATION TO STORAGE AREA NETWORK FILE SYSTEMS
Riverbed Technology, Inc.	12/143,799	8,228,804	6/22/2008	7/24/2012	Tuning Routing Metrics to Reduce Maximum Link Utilization and/or Provide Failure Resiliency
Riverbed Technology, Inc.	12/176,317	8,166,004	7/18/2008	4/24/2012	Verifying Data Consistency Among Multiple Structured Files
Riverbed Technology, Inc.	12/176,325	8,495,577	7/18/2008	7/23/2013	Selective Monitoring of Software Applications
Riverbed Technology, Inc.	12/191,514	8,176,186	8/14/2008	5/8/2012	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	12/191,805	7,849,134	8/14/2008	12/7/2010	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	12/192,103	8,165,038	8/14/2008	4/24/2012	Network Physical Connection Inference for IP Tunnels
Riverbed Technology, Inc.	12/195,393	7,843,840	8/20/2008	11/30/2010	Traffic Independent Survivability Analysis
Riverbed Technology, Inc.	12/196,044	8,255,906	8/21/2008	8/28/2012	Modeling Overhead for a Plurality of Virtualization Technologies in a Computer System
Riverbed Technology, Inc.	12/210,087	7,839,781	9/12/2008	11/23/2010	SERVICE CURVE MAPPING

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	12/235,325	8,266,114	9/22/2008	9/11/2012	LOG STRUCTURED CONTENT ADDRESSABLE DEDUPLICATING STORAGE
Riverbed Technology, Inc.	12/266,054		11/6/2008		User Interface For Network Events and Tuning
Riverbed Technology, Inc.	12/266,081	8,472,328	11/6/2008	6/25/2013	Impact Scoring and Reducing False Positives
Riverbed Technology, Inc.	12/266,105		11/6/2008		Detecting Outliers in Network Traffic Time Series
Riverbed Technology, Inc.	12/296,062		11/6/2008		METHOD FOR PROVIDING WEB APPLICATION SECURITY
Riverbed Technology, Inc.	12/327,693	8,478,986	12/3/2008	7/2/2013	REDUCING LATENCY OF SPLIT-TERMINATED SECURE COMMUNICATION PROTOCOL SESSIONS
Riverbed Technology, Inc.	12/327,766		12/3/2008		TRANSACTION ACCELERATION USING APPLICATION-SPECIFIC LOCKING
Riverbed Technology, Inc.	12/330,197	7,852,237	12/8/2008	12/14/2010	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	12/331,257	8,140,690	12/9/2008	3/20/2012	CONNECTION FORWARDING
Riverbed Technology, Inc.	12/391,967	7,953,869	2/24/2009	5/31/2011	COOPERATIVE PROXY AUTO-DISCOVERY AND CONNECTION INTERCEPTION
Riverbed Technology, Inc.	12/396,904		3/3/2009		SPLIT TERMINATION OF SECURE COMMUNICATION SESSIONS WITH MUTUAL CERTIFICATE-BASED AUTHENTICATION
Riverbed Technology, Inc.	12/397,356	7,885,206	04.03.2009	2/8/2011	Method and System for Topological Navigation of Hierarchical Data Groups
Riverbed Technology, Inc.	12/416,067		3/31/2009		LOG STRUCTURED CONTENT ADDRESSABLE DEDUPLICATING STORAGE
Riverbed Technology, Inc.	12/478,775	8,005,006	6/5/2009	8/23/2011	Discovery of Multiple-Parent Dependencies in Network Performance Analysis
Riverbed Technology, Inc.	12/495,432	8,370,309	6/30/2009	2/5/2013	REVISION-TOLERANT DATA DE-DUPLICATION

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	12/496,405		7/1/2009		DEFINING NETWORK TRAFFIC PROCESSING FLOWS BETWEEN VIRTUAL MACHINES
Riverbed Technology, Inc.	12/496,430		7/1/2009		NETWORK TRAFFIC PROCESSING PIPELINE FOR VIRTUAL MACHINES IN A NETWORK DEVICE
Riverbed Technology, Inc.	12/496,466		7/1/2009		EXTENDED NETWORK PROTOCOLS FOR COMMUNICATION METADATA WITH VIRTUAL MACHINES
Riverbed Technology, Inc.	12/496,484	8,572,609	7/1/2009	10/29/2013	MAINTAINING VIRTUAL MACHINES IN A NETWORK DEVICE
Riverbed Technology, Inc.	12/498,786	8,144,627	7/7/2009	3/27/2012	Inferring Connectivity in the Presence of Conflicting Network Data
Riverbed Technology, Inc.	12/502,983	8,307,203	7/14/2009	11/6/2012	METHODS AND SYSTEMS FOR SECURE COMMUNICATIONS USING A LOCAL CERTIFICATION AUTHORITY
Riverbed Technology, Inc.	12/544,317	8,305,931	8/20/2009	11/6/2012	Incremental and Targeted Auto-Discovery of Network Devices
Riverbed Technology, Inc.	12/549,787	8,078,593	8/28/2009	12/13/2011	DICTIONARY ARCHITECTURE AND METHODOLOGY FOR REVISION-TOLERANT DATA DE-DUPLICATION
Riverbed Technology, Inc.	12/571,430	8,180,902	9/30/2009	5/15/2012	ESTABLISHING NETWORK CONNECTIONS BETWEEN TRANSPARENT NETWORK DEVICES
Riverbed Technology, Inc.	12/571,433	8,181,060	9/30/2009	5/15/2012	PREVENTING DATA CORRUPTION WITH TRANSPARENT NETWORK CONNECTIONS
Riverbed Technology, Inc.	12/623,592	8,493,871	11/23/2009	7/23/2013	End-to-End Analysis of Transactions in Networks with Traffic-Altering Devices
Riverbed Technology, Inc.	12/632,703		12/7/2009		CONTENT DELIVERY FOR CLIENT SERVER PROTOCOLS WITH USER AFFINITIES USING CONNECTION END-POINT PROXIES
Riverbed Technology, Inc.	12/705,570	8,359,450	2/13/2010	1/22/2013	Memory Utilization Analysis

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	12/729,127		3/22/2010		METHOD AND APPARATUS FOR SCHEDULING A HETEROGENEOUS COMMUNICATION FLOW
Riverbed Technology, Inc.	12/730,185		3/23/2010		VIRTUALIZED DATA STORAGE SYSTEM ARCHITECTURE
Riverbed Technology, Inc.	12/730,192		3/23/2010		VIRTUALIZED DATA STORAGE SYSTEM CACHE MANAGEMENT
Riverbed Technology, Inc.	12/730,198		3/23/2010		VIRTUALIZED DATA STORAGE SYSTEM OPTIMIZATIONS
Riverbed Technology, Inc.	12/818,872	8,504,670	6/18/2010	8/6/2013	VIRTUALIZED DATA STORAGE APPLICATIONS AND OPTIMIZATIONS
Riverbed Technology, Inc.	12/825,296	8,380,825	6/28/2010	2/19/2013	SELECTING PROXIES FROM AMONG AUTODISCOVERED PROXIES
Riverbed Technology, Inc.	12/826,430	8,438,628	6/29/2010	12/826,430	METHOD AND APPARATUS FOR SPLIT-TERMINATING A SECURE NETWORK CONNECTION, WITH CLIENT AUTHENTICATION
Riverbed Technology, Inc.	12/843,754	8,473,620	7/26/2010	6/25/2013	INTERCEPTION OF A CLOUD-BASED COMMUNICATION CONNECTION
Riverbed Technology, Inc.	12/853,729		8/10/2010		Managing Client Requests for Data
Riverbed Technology, Inc.	12/861,832	8,296,424	8/24/2010	10/23/2012	Network Capacity Planning
Riverbed Technology, Inc.	12/878,992		9/9/2010		TIERED STORAGE INTERFACE
Riverbed Technology, Inc.	12/893,894		9/29/2010		SYSTEM AND METHOD FOR WARMING AN OPTIMIZATION DEVICE
Riverbed Technology, Inc.	12/894,681		9/30/2010		RULES-BASED TRANSACTIONS PREFETCHING USING CONNECTION END-POINT PROXIES
Riverbed Technology, Inc.	12/900,348		10/7/2010		Network Path Discovery and Analysis
Riverbed Technology, Inc.	12/900,357		10/7/2010		Network Path Discovery and Analysis
Riverbed Technology, Inc.	12/902,964	8,509,070	10/12/2010	8/13/2013	SERVICE CURVE MAPPING

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	12/903,975		10/13/2010		METHOD OF IMPROVING PERFORMANCE OF A DATA STORAGE DEVICE
Riverbed Technology, Inc.	12/907,225		10/19/2010		System and Methods for Inferring Services on a Network
Riverbed Technology, Inc.	12/916,112	8,271,688	10/29/2010	9/18/2012	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS
Riverbed Technology, Inc.	12/918,329		6/14/2013		OPTIMIZING SECURE COMMUNICATIONS
Riverbed Technology, Inc.	12/940,017	8,508,389	11/4/2010	8/13/2013	CONTENT-BASED SEGMENTATION SCHEME FOR DATA COMPRESSION IN STORAGE AND TRANSMISSION INCLUDING HIERARCHICAL SEGMENT REPRESENTATION
Riverbed Technology, Inc.	12/963,481		12/8/2010		Web Transaction Analysis
Riverbed Technology, Inc.	12/978,056		12/23/2010		VIRTUAL DATA STORAGE DEVICES AND APPLICATIONS OVER WIDE AREA NETWORKS
Riverbed Technology, Inc.	13/021,709		2/4/2011		Correcting Packet Timestamps in Virtualized Environments
Riverbed Technology, Inc.	13/070,064		3/23/2011		SINGLE-ENDED DEDUPLICATION USING CLOUD STORAGE PROTOCOL
Riverbed Technology, Inc.	13/070,089		3/23/2011		DEDUPLICATING CLOUD STORAGE PROTOCOL
Riverbed Technology, Inc.	13/074,602		3/29/2011		OPTIMIZED FILE CREATION IN WAN-OPTIMIZED STORAGE
Riverbed Technology, Inc.	13/074,923		3/29/2011		QUALITY OF SERVICE FOR INBOUND NETWORK TRAFFIC FLOWS
Riverbed Technology, Inc.	13/082,186	8,316,118	4/7/2011	11/20/2012	COOPERATIVE PROXY AUTO-DISCOVERY AND CONNECTION INTERCEPTION
Riverbed Technology, Inc.	13/117,105		5/26/2011		Multi-Tier Message Correlation
Riverbed Technology, Inc.	13/165,589		6/21/2011		Multi-Variate Sales Performance Analysis System

Owner	Application Number	Patent Number	Date	Issue Date	Title
Riverbed Technology, Inc.	13/166,321		6/22/2011		BOOTING DEVICES USING VIRTUAL STORAGE ARRAYS OVER WIDE-AREA NETWORKS
Riverbed Technology, Inc.	13/170,063		6/27/2011		CONNECTING TRANSPARENT NETWORK DEVICES TO OPTIMIZE UNIDIRECTIONAL NETWORK TRAFFIC
Riverbed Technology, Inc.	13/210,351		8/15/2011		Network Path Discovery and Analysis
Riverbed Technology, Inc.	13/249,195		9/29/2011		CONFIGURING AND AUTHENTICATING WAN OPTIMIZATION DEVICES FOR ACCESSING CONTENT DELIVERY NETWORKS
Riverbed Technology, Inc.	13/249,201	8,516,158	9/29/2011	8/20/2013	INTEGRATING WAN OPTIMIZATION DEVICES WITH CONTENT DELIVERY NETWORKS
Riverbed Technology, Inc.	13/251,148	8,312,101	9/30/2011	11/13/2012	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	13/282,393		10/26/2011		TRANSPARENT CLIENT-SERVER TRANSACTION ACCELERATOR
Riverbed Technology, Inc.	13/289,377	8,244,691	11/4/2011	8/14/2012	DICTIONARY ARCHITECTURE AND METHODOLOGY FOR REVISION-TOLERANT DATA DE-DUPLICATION
Riverbed Technology, Inc.	13/301,688		11/21/2011		Link Inference in Large Networks Based on Incomplete Data
Riverbed Technology, Inc.	13/315,619		12/9/2011		Policy Aggregation for Computing Network Health
Riverbed Technology, Inc.	13/333,955		12/21/2011		System and Method for Separately Analyzing Protocol and Congestion Delay in Networks
Riverbed Technology, Inc.	13/341,825		12/30/2011		MANAGING DIGITAL CERTIFICATES FOR WAN OPTIMIZATION OVER CONTENT DELIVERY NETWORKS
Riverbed Technology, Inc.	13/346,453	8,312,139	1/9/2012	11/13/2012	Traffic Flow Inference Based on Link Loads and Gravity Measures

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	13/365,484		2/3/2012		Correlating Input and Output Requests between Client and Server Components in a Multi-Tier Application
Riverbed Technology, Inc.	13/365,496		2/3/2012		Overhead Management for Event Tracing Software
Riverbed Technology, Inc.	13/400,973		2/21/2012		Overhead Management for Event Tracing Software
Riverbed Technology, Inc.	13/410,032	8,386,637	3/1/2012	2/26/2013	CONNECTION FORWARDING
Riverbed Technology, Inc.	13/410,689		3/2/2012		METHOD AND SYSTEM FOR TRANSMITTING DATA OVER ONE OR MORE NETWORKS
Riverbed Technology, Inc.	13/412,604		3/5/2012		Routing Validation
Riverbed Technology, Inc.	13/412,615		3/6/2012		Systems and Methods for Intelligent Probe Testing
Riverbed Technology, Inc.	13/412,623		3/6/2012		Multi-Variate Network Survivability Analysis
Riverbed Technology, Inc.	13/415,815		3/8/2012		MULTILEVEL DISTRIBUTED NETWORK MONITORING SYSTEM ARCHITECTURE
Riverbed Technology, Inc.	13/415,819		3/8/2012		DISTRIBUTED NETWORK TRAFFIC DATA COLLECTION AND STORAGE
Riverbed Technology, Inc.	13/415,821		3/8/2012		ACCESSING NETWORK TRAFFIC DATA AT MULTIPLE TIME SCALES AND LEVELS OF DETAIL
Riverbed Technology, Inc.	13/415,823		3/8/2012		IDENTIFYING RELATED NETWORK TRAFFIC DATA FOR MONITORING AND ANALYSIS
Riverbed Technology, Inc.	13/424,005	8,601,122	3/19/2012	11/13/2013	Managing Captured Network Traffic Data
Riverbed Technology, Inc.	13/430,541		3/26/2012		Inferring Connectivity in the Presence of Conflicting Network Data
Riverbed Technology, Inc.	13/436,873		3/31/2012		COOPERATIVE PROXY AUTO-DISCOVERY AND CONNECTION INTERCEPTION THROUGH NETWORK ADDRESS TRANSLATION
Riverbed Technology, Inc.	13/436,874		3/31/2012		MONITORING USAGE OF WAN OPTIMIZATION DEVICES INTEGRATED WITH CONTENT DELIVERY NETWORKS

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	13/441,681	8,402,085	4/6/2012	3/19/2013	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	13/444,583		4/11/2012		Assessing Application Performance with an Operational Index
Riverbed Technology, Inc.	13/448,389		4/16/2012		System and Method for Inferring Connectivity Among Network Segments in the Absence of Configuration Information
Riverbed Technology, Inc.	13/453,731		4/23/2012		QUALITY OF SERVICE FOR INBOUND NETWORK TRAFFIC FLOWS DURING SLOW-START PHASES
Riverbed Technology, Inc.	13/454,034		4/23/2012		Network Physical Connection Inference for IP Tunnels
Riverbed Technology, Inc.	13/454,050		4/23/2012		Verifying Data Consistency Among Multiple Structured Files
Riverbed Technology, Inc.	13/459,065	8,321,580	4/27/2012	11/27/2012	TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATION SYSTEMS
Riverbed Technology, Inc.	13/460,392		4/30/2012		ESTABLISHING NETWORK CONNECTIONS BETWEEN TRANSPARENT NETWORK DEVICES
Riverbed Technology, Inc.	13/464,713		5/4/2012		ENSURING WRITE OPERATION CONSISTENCY USING RAID STORAGE DEVICES
Riverbed Technology, Inc.	13/464,714		5/4/2012		ENSURING WRITE OPERATION CONSISTENCY USING MULTIPLE STORAGE DEVICES
Riverbed Technology, Inc.	13/471,956		5/15/2012		VIRTUALIZED DATA STORAGE SYSTEM ARCHITECTURE USING PREFETCHING AGENT
Riverbed Technology, Inc.	13/487,863		6/4/2012		Mapping Virtual Internet Protocol Addresses
Riverbed Technology, Inc.	13/487,895		6/4/2012		Predictive Modeling and Graphical Editing of Application Logic
Riverbed Technology, Inc.	13/491,501		6/7/2012		AUTOMATIC FRAMING SELECTION

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	13/530,740		6/22/2012		Controlling the Operation of Server Computers
Riverbed Technology, Inc.	13/536,770		6/28/2012		METHOD AND APPARATUS FOR LOAD BALANCING BETWEEN WAN OPTIMIZATION DEVICES
Riverbed Technology, Inc.	13/556,174		7/23/2012		Automatic Access to Network Devices Using Various Authentication Schemes
Riverbed Technology, Inc.	13/556,178		7/23/2012		Tuning Routing Metrics to Reduce Maximum Link Utilization and/or Provide Failure Resiliency
Riverbed Technology, Inc.	13/568,988		8/7/2012		Quick Path Discovery
Riverbed Technology, Inc.	13/570,572		8/9/2012		Application Performance Analysis that is Adaptive to Business Activity Patterns
Riverbed Technology, Inc.	13/589,896		8/20/2012		TRANSACTION ACCELERATOR FOR CLIENT-SERVER COMMUNICATIONS SYSTEMS
Riverbed Technology, Inc.	13/590,088		8/20/2012		Methods and System for Modeling Wireless Communications in a Network
Riverbed Technology, Inc.	13/595,372		8/27/2012		Virtualization Planning System
Riverbed Technology, Inc.	13/645,688		10/5/2012		Methods and System for Workflow Management of Sales Opportunities
Riverbed Technology, Inc.	13/654,859		10/18/2012		Detected IP Link and Connectivity Inference
Riverbed Technology, Inc.	13/657,541		10/22/2012		Unpublished
Riverbed Technology, Inc.	13/669,117		11/5/2012		Incrementally Improved Auto-Discovery of Network Devices
Riverbed Technology, Inc.	13/670,753		11/7/2012		COOPERATIVE PROXY AUTO-DISCOVERY AND CONNECTION INTERCEPTION
Riverbed Technology, Inc.	13/674,874		11/12/2012		Unpublished
Riverbed Technology, Inc.	13/677,283		11/14/2012		Unpublished
Riverbed Technology, Inc.	13/693,165		12/4/2012		Tracking Objects within Dynamic Environments
Riverbed Technology, Inc.	13/715,381		12/14/2012		Methods and Systems for Efficient Updating of Time-Aligned Graphs in a Monitoring System
Riverbed Technology, Inc.	13/725,926		12/21/2012		RELIABILITY AND AVAILABILITY OF DISTRIBUTED SERVERS

Owner	Application Number	Patent Number	Filing Date	Issue Date	Title
Riverbed Technology, Inc.	13/744,364		1/17/2013		SYSTEM FOR SELECTING A PROXY PAIR BASED ON CONFIGURATIONS OF AUTODISCOVERED PROXIES ON A NETWORK
Riverbed Technology, Inc.	13/745,055		1/18/2013		Using Routing Information and Inter-layer Relationships to Determine Utilization in a Transport Network
Riverbed Technology, Inc.	13/746,273		1/21/2013		Unpublished
Riverbed Technology, Inc.	13/766,703		2/13/2013		TRANSACTION ACCELERATION FOR CLIENT-SERVER COMMUNICATION SYSTEMS
Riverbed Technology, Inc.	13/772,011		2/20/2013		Event Detection/Anomaly Correlation Heuristics
Riverbed Technology, Inc.	13/778,628		2/27/2013		SERIAL CLUSTERING
Riverbed Technology, Inc.	13/867,499		4/22/2013		ADDRESS MANIPULATION TO PROVIDE FOR THE USE OF NETWORK TOOLS EVEN WHEN TRANSACTION ACCELERATION IS IN USE OVER A NETWORK
Riverbed Technology, Inc.	13/874,044		4/30/2013		METHOD AND APPARATUS FOR A DURABLE, PORTABLE AND DETERMINISTIC MULTI-PART RESOURCE
Riverbed Technology, Inc.	13/949,162		7/23/2013		Unpublished
Riverbed Technology, Inc.	13/949,163		7/23/2013		Unpublished
Riverbed Technology, Inc.	13/965,605		8/13/2013		Unpublished
Riverbed Technology, Inc.	13/975,049		8/23/2013		OPTIMIZING COMMUNICATIONS USING CLIENT-SIDE RECONSTRUCTION SCRIPTING
Riverbed Technology, Inc.	14/042,863		10/1/2013		Unpublished
Riverbed Technology, Inc.	14/060,271		10/22/2013		Unpublished
Riverbed Technology, Inc.	14/062,489		10/24/2013		Unpublished