PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6866160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
LES RESEAUX ACCEDIAN INC. / ACCEDIAN NETWORKS INC.	08/13/2021

RECEIVING PARTY DATA

Name:	SILICON VALLEY BANK
Street Address:	3003 TASMAN DRIVE, HF 150
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 152

Property Type	Number
Patent Number:	7873057
Patent Number:	8139494
Patent Number:	8218576
Patent Number:	8705341
Patent Number:	8705577
Patent Number:	8711708
Patent Number:	8751615
Patent Number:	8792380
Patent Number:	8824312
Patent Number:	8830860
Patent Number:	8830869
Patent Number:	8862702
Patent Number:	8867545
Patent Number:	8873370
Patent Number:	8917596
Patent Number:	8923132
Patent Number:	8948210
Patent Number:	8982730
Patent Number:	9032408
Patent Number:	9088492

Property Type	Number
Patent Number:	9094427
Patent Number:	9106706
Patent Number:	9130703
Patent Number:	9166900
Patent Number:	9191286
Patent Number:	9225634
Patent Number:	9246871
Patent Number:	9294358
Patent Number:	9300556
Patent Number:	9300565
Patent Number:	9306830
Patent Number:	9344400
Patent Number:	9367352
Patent Number:	9391948
Patent Number:	9407515
Patent Number:	9413555
Patent Number:	9419780
Patent Number:	9419883
Patent Number:	9491053
Patent Number:	9491137
Patent Number:	9503328
Patent Number:	9504183
Patent Number:	9509810
Patent Number:	9524197
Patent Number:	9544210
Patent Number:	9577913
Patent Number:	9608751
Patent Number:	9641458
Patent Number:	9641484
Patent Number:	9660896
Patent Number:	9660927
Patent Number:	9692712
Patent Number:	9699033
Patent Number:	9722718
Patent Number:	9735874
Patent Number:	9736044
Patent Number:	9736049
Patent Number:	9742579

Property Type	Number
Patent Number:	9755955
Patent Number:	9762469
Patent Number:	9819553
Patent Number:	9860207
Patent Number:	9887794
Patent Number:	9887883
Patent Number:	9888609
Patent Number:	9910703
Patent Number:	9935917
Patent Number:	9954983
Patent Number:	9960982
Patent Number:	9979663
Patent Number:	10003506
Patent Number:	10038620
Patent Number:	10091081
Patent Number:	10097512
Patent Number:	10110448
Patent Number:	10110715
Patent Number:	10116551
Patent Number:	10135537
Patent Number:	10135713
Patent Number:	10178009
Patent Number:	10225161
Patent Number:	10250464
Patent Number:	10291484
Patent Number:	10305737
Patent Number:	10320506
Patent Number:	10341470
Patent Number:	10365957
Patent Number:	10382347
Patent Number:	10404522
Patent Number:	10419144
Patent Number:	10419325
Patent Number:	10425309
Patent Number:	10447609
Patent Number:	10484291
Patent Number:	10514739
Patent Number:	10530904

Property Type	Number
Patent Number:	10594567
Patent Number:	10601663
Patent Number:	10601696
Patent Number:	10616382
Patent Number:	10631180
Patent Number:	10666371
Patent Number:	10680924
Patent Number:	10700784
Patent Number:	10700941
Patent Number:	10721009
Patent Number:	10764247
Patent Number:	10791028
Patent Number:	10809471
Patent Number:	10826800
Patent Number:	10826809
Patent Number:	10884203
Patent Number:	10887036
Patent Number:	10887219
Patent Number:	10924378
Patent Number:	10938698
Patent Number:	10965550
Patent Number:	10965792
Patent Number:	10979332
Patent Number:	10999121
Patent Number:	10999171
Patent Number:	10999205
Patent Number:	11025343
Patent Number:	D853220
Application Number:	15929956
Application Number:	16556900
Application Number:	16731832
Application Number:	16773306
Application Number:	16785852
Application Number:	16785904
Application Number:	16794447
Application Number:	16816978
Application Number:	16852591
Application Number:	16882818

Property Type	Number
Application Number:	16898726
Application Number:	16915104
Application Number:	16940641
Application Number:	17002918
Application Number:	17003025
Application Number:	17034379
Application Number:	17035985
Application Number:	17104010
Application Number:	17105797
Application Number:	17128131
Application Number:	17158222
Application Number:	17178858
Application Number:	17179545
Application Number:	17179554
Application Number:	17188443
Application Number:	17188711
Application Number:	17188852
Application Number:	17242520

CORRESPONDENCE DATA

Fax Number:

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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Address Line 2: COGENY GLOBAL INC.
Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	1452958 PT
NAME OF SUBMITTER:	GWENDOLYN MECSAS
SIGNATURE:	/Gwendolyn Mecsas/
DATE SIGNED:	08/16/2021

Total Attachments: 14
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AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Amended and Restated Intellectual Property Security Agreement ("Agreement") is entered into as of August 13, 2021, by and between (i) **SILICON VALLEY BANK** ("Bank") and (ii) **LES RESEAUX ACCEDIAN INC. / ACCEDIAN NETWORKS INC.** ("Grantor"). This Agreement amends and restates in its entirety, and replaces, that certain Intellectual Property Security Agreement dated as of June 22, 2018, between Grantor and Bank (the "**Prior Agreement**").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations (the "Loans") to Grantor in the amounts and manner set forth in that certain Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated as of the date hereof (as amended, and as the same may be further amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in its Intellectual Property constituting Collateral (collectively, the "Intellectual Property Collateral") to secure the obligations of Grantor to Bank.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank 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.

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 the Obligations, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. To secure the Obligations, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under 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 of authorship and derivative work thereof, whether published or unpublished, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, 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 that 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 set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and service mark rights, 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 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 (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;

(i) All amendments, 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.

Notwithstanding anything to the contrary herein, the Intellectual Property Collateral shall not include any United States intent-to-use trademark or service mark applications filed pursuant to Section 1(b) of the Lanham Act, 15 U.S.C. § 1051, at all times prior to the filing of a "Statement of Use" pursuant to Section 1(d) of the Lanham Act or an "Amendment to Allege Use" pursuant to Section 1(c) of the Lanham Act with respect thereto with the United States Patent and Trademark Office or otherwise.

2. Recordation. Grantor authorizes the Canadian Intellectual Property Office, the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

5. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Prior Agreement. Grantor and Bank hereby agree that, effective upon the execution and delivery of this Agreement by each such party, the terms and provisions of the Prior Agreement shall be and hereby are amended, restated and superseded in their entirety by the terms and provisions of this Agreement. Nothing herein contained shall be construed as a substitution or novation of the obligations of Borrower outstanding under the Prior Agreement or instruments securing the same, which obligations shall remain in full force and effect, except to the extent that the terms thereof are modified hereby or by instruments executed concurrently herewith. Nothing expressed or implied in this Agreement shall be construed as a release or other discharge of any Borrower from any of the obligations or any liabilities under the Prior Agreement. Borrower hereby confirms and agrees that to the extent that the Prior Agreement purports to assign or pledge to the Bank, or to grant to the Bank a security interest in or lien on, any collateral as security for the Obligations, such pledge, assignment or grant of the security interest or lien is hereby ratified and confirmed in all respects and shall remain effective as of the first date it became effective.

7. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction). Notwithstanding the foregoing, this Agreement shall be governed by the laws of the Province of Quebec and the laws of Canada applicable therein, to the extent that the hypothecation granted hereunder is governed by such laws pursuant to the laws of the Province of Quebec (including the conflict of laws provisions thereof).

8. Language. The parties acknowledge that they have required that this Agreement and all related documents be prepared in English./Les parties reconnaissent avoir exigé que la présente convention et tous les documents connexes soient rédigés en anglais.

[Signature page follows]

IN WITNESS WHEREOF, the parties have caused this Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

LES RESEAUX ACCEDIAN INC./
ACCEDIAN NETWORKS INC.

DocuSigned by:
By: _____
159225AA97FB408...

Name: Martin Lebeau

Title: Chief Financial Officer

BANK:

SILICON VALLEY BANK

DocuSigned by:
By: Chris Leary
ADD6956FAC5C40C...
Name: Chris Leary
Title: Director

EXHIBIT A

Copyrights

None.

Copyright Applications

None.

Exclusive Copyright Licenses Recorded with USCO

EXHIBIT B
Registered Patents

Title	Registration Number	Application Date	Filing Jurisdiction
Power over ethernet management devices and connection between ethernet devices	7,873,057	4/25/2006	U.S.
System for testing ethernet paths and links without impacting non-test traffic	8,139,494	9/12/2008	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	8,218,576	3/13/2007	U.S.
Power over ethernet management devices and connection between ethernet devices	8,705,341	12/8/2010	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	8,705,577	6/12/2012	U.S.
Automatic setup of reflector instances	8,711,708	7/24/2012	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	8,751,615	7/18/2012	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	8,792,380	8/24/2012	U.S.
System for testing ethernet paths and links without impacting non-test traffic	8,824,312	11/10/2011	U.S.
Method for devices in a network to participate in an end-to-end measurement of latency	8,830,860	7/5/2012	U.S.
Systems and methods of detecting and assigning IP addresses to devices with ARP requests	8,830,869	7/18/2012	U.S.
Systems and methods of installing and operating devices without explicit network addresses	8,862,702	7/18/2012	U.S.
Modified Ethernet preamble for interline card communications in a modular communication chassis	8,867,545	9/25/2012	U.S.
Power over ethernet management devices and connection between ethernet devices	8,873,370	5/9/2012	U.S.
Automatic discovery and enforcement of service level agreement settings	8,917,596	9/7/2012	U.S.
Automatic setup of Reflector Instances	8,923,132	2/20/2014	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	8,948,210	3/3/2014	U.S.
Systems and methods of detecting and assigning IP addresses to devices with ARP requests	8,982,730	8/7/2014	U.S.
System and method for intelligent timer services	9,032,408	9/7/2012	U.S.
Method for devices in a network to participate in an end-to-end measurement of latency	9,088,492	8/5/2014	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	9,094,427	12/19/2014	U.S.

Systems and methods of using beacon messages to discover devices across subnets	9,106,706	7/18/2012	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	9,130,703	6/16/2014	U.S.
Automatic setup of reflector instances	9,166,900	11/24/2014	U.S.
Adaptive centralized collection of performance management data using a metamodel	9,191,286	8/9/2012	U.S.
Modified ethernet preamble for inter line card communications in a modular communication chassis	9,225,634	9/15/2014	U.S.
Systems and methods of detecting and assigning IP addresses to devices with ARP requests	9,246,871	1/27/2015	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	9,294,358	5/1/2014	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	9,300,556	6/22/2015	U.S.
System and method for out-of-line real-time in-service performance measurement	9,300,565	4/17/2014	U.S.
Layer-3 performance monitoring sectionalization	9,306,830	3/15/2013	U.S.
System and methods of installing and operating devices without explicit network addresses	9,344,400	9/9/2014	U.S.
System and method for intelligent timer services	9,367,352	4/21/2015	U.S.
Methods of detecting and assigning IP addresses to devices with ARP requests	9,391,948	12/15/2015	U.S.
Automatic discovery and enforcement of service level agreement settings	9,407,515	11/15/2014	U.S.
Power over ethernet management devices and connection between ethernet devices	9,413,555	4/17/2014	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	9,419,780	8/4/2015	U.S.
Automatic setup of reflector instances	9,419,883	9/17/2015	U.S.
Transparent auto-negotiation of ethernet	9,491,053	4/28/2015	U.S.
Methods of using beacon messages to discover devices across subnets	9,491,137	7/1/2015	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	9,503,328	2/16/2016	U.S.
Hybrid thermal management of electronic device	9,504,183	11/20/2014	U.S.
Modified ethernet preamble for inter line card communications in a modular communication chassis	9,509,810	11/19/2015	U.S.
Multicasting of event notifications using extended socket for inter-process communication	9,524,197	9/6/2012	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	9,544,210	3/1/2016	U.S.
Layer-3 performance monitoring sectionalization	9,577,913	3/1/2016	U.S.
Simplified synchronized Ethernet implementation	9,608,751	3/18/2015	U.S.

Providing efficient routing of an operations, administration and maintenance (OAM) frame received at a port of an ethernet switch	9,641,458	2/19/2015	U.S.
System and methods of installing and operating devices without explicit network addresses	9,641,484	4/18/2016	U.S.
System and method for loopback and network loop detection and analysis	9,660,896	3/18/2015	U.S.
Preemptive packet transmission	9,660,927	4/22/2015	U.S.
Service OAM virtualization	9,692,712	12/23/2014	U.S.
Transparent auto-negotiation of Ethernet	9,699,033	10/6/2016	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	9,722,718	7/19/2016	U.S.
Programmable small form-factor pluggable module	9,735,874	7/18/2012	U.S.
Adaptive centralized collection of performance management data using a metamodel	9,736,044	10/15/2015	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	9,736,049	11/2/2016	U.S.
System for testing Ethernet paths and links without impacting non-test traffic	9,742,579	7/30/2014	U.S.
Single queue link aggregation	9,755,955	2/18/2015	U.S.
Method for devices in a network to participate in an end-to- end measurement of latency	9,762,469	6/10/2015	U.S.
System and method for out-of-line real-time in-service performance measurement	9,819,553	2/18/2016	U.S.
Methods of using beacon messages to discover devices across subnets	9,860,207	10/8/2016	U.S.
Simplified synchronized Ethernet implementation	9,887,794	2/13/2017	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	9,887,883	10/19/2016	U.S.
Hybrid thermal management of electronic device	9,888,609	10/18/2016	U.S.
System and method for intelligent timer services	9,910,703	5/17/2016	U.S.
Methods of detecting and assigning IP addresses to devices with ARP requests	9,935,917	6/10/2016	U.S.
Providing efficient routing of an operations, administration and maintenance (OAM) frame received at a port of an ethernet switch	9,954,983	3/21/2017	U.S.
Multi-hop reflector sessions	9,960,982	7/24/2012	U.S.
TCP performance predictor	9,979,663	6/8/2015	U.S.
Automatic discovery and enforcement of service level agreement settings	10,003,506	7/5/2016	U.S.
System and method for loopback and network loop detection and analysis	10,038,620	4/21/2017	U.S.

Method for devices in a network to participate in an end-to-end measurement of latency	10,091,081	8/9/2017	U.S.
System and methods of installing and operating devices without explicit network addresses	10,097,512	3/23/2017	U.S.
Automatic setup of reflector instances	10,110,448	7/18/2016	U.S.
Providing efficient routing of an operations, administration and maintenance (oam) frame received at a port of an ethernet switch	10,110,715	3/22/2018	U.S.
Single queue link aggregation	10,116,551	6/20/2017	U.S.
Programmable small form-factor pluggable module	10,135,537	7/10/2017	U.S.
Layer-3 performance monitoring sectionalization	10,135,713	1/11/2017	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	10,178,009	7/18/2017	U.S.
Precise statistics computation for communication networks	10,225,161	10/31/2016	U.S.
Area efficient traffic generator	10,250,464	10/15/2014	U.S.
System and method for out-of-line real-time in-service performance measurement	10,291,484	10/16/2017	U.S.
System for testing ethernet paths and links without impacting non-test traffic	10,305,737	7/17/2017	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	10,320,506	6/26/2017	U.S.
Modified ethernet preamble for inter line card communications in a modular communication chassis	10,341,470	10/26/2016	U.S.
Multicasting of event notifications using extended socket for inter-process communication	10,365,957	11/10/2016	U.S.
Tcp performance predictor	10,382,347	4/26/2018	U.S.
Service oam virtualization	10,404,522	5/10/2017	U.S.
Simplified synchronized ethernet implementation	10,419,144	1/11/2018	U.S.
System and method for loopback and network loop detection and analysis	10,419,325	7/11/2018	U.S.

Method, a computer program product, and a carrier for indicating one-way latency in a data network	10,425,309	7/4/2018	U.S.
Preemptive packet transmission	10,447,609	4/14/2017	U.S.
Using bandwidth measurements to adjust cir and eir on a sub-rate link	10,484,291	7/6/2017	U.S.
Power over ethernet management devices and connection between ethernet devices	10,514,739	7/5/2016	U.S.
Providing efficient routing of an operations, administration and maintenance (oam) frame received at a port of an ethernet switch	10,530,904	10/3/2018	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	10,594,567	1/11/2018	U.S.
Transparent auto-negotiation of ethernet	10,601,663	6/5/2017	U.S.
Layer-3 performance monitoring sectionalization	10,601,696	10/31/2018	U.S.
Efficient capture and streaming of data packets	10,616,382	9/2/2016	U.S.
Protection switching using performance metrics	10,631,180	7/20/2017	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	10,666,371	4/23/2019	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	10,680,924	6/19/2019	U.S.
Programmable small form-factor pluggable module	10,700,784	10/31/2018	U.S.
System and method for out-of-line real-time in-service performance measurement	10,700,941	3/29/2019	U.S.
Virtualized clocks	10,721,009	11/17/2016	U.S.
System and methods of installing and operating devices without explicit network addresses	10,764,247	9/14/2018	U.S.
System for testing ethernet paths and links without impacting non-test traffic	10,791,028	4/11/2019	U.S.
Integrated passive optical tap and optical signal termination	10,809,471	2/5/2016	U.S.
Area efficient traffic generator	10,826,800	12/21/2018	U.S.

Multi-hop reflector sessions	10,826,809	3/21/2018	U.S.
Cooling apparatus for pluggable modules	10,884,203	12/14/2015	U.S.
Simplified synchronized ethernet implementation	10,887,036	6/11/2019	U.S.
Single queue link aggregation	10,887,219	10/4/2018	U.S.
System and method for loopback and network loop detection and analysis	10,924,378	5/30/2019	U.S.
Method, a computer program product, and a carrier for indicating one-way latency in a data network	10,938,698	3/12/2020	U.S.
Precise statistics computation for communication networks	10,965,550	11/30/2018	U.S.
Providing efficient routing of an operations, administration and maintenance (oam) frame received at a port of an ethernet switch	10,965,792	11/29/2019	U.S.
System and method to measure available bandwidth in ethernet transmission system using train of ethernet frames	10,979,332	11/1/2014	U.S.
Service oam virtualization	10,999,121	7/18/2019	U.S.
Method for devices in a network to participate in an end-to-end measurement of latency	10,999,171	8/13/2018	U.S.
Tcp performance predictor	10,999,205	5/31/2019	U.S.
Programmable small form-factor pluggable module	11,025,343	5/21/2020	U.S.
Cable retainer	D853220	11/14/2016	U.S.

Patent Applications

Title	Application Number	Application Date	Filing Jurisdiction
Network performance metrics anomaly detection	15/929,956	N/A	U.S.
Preemptive packet transmission	16/556,900	8/30/2019	U.S.
Efficient capture and streaming of data packets	16/731,832	12/31/2019	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	16/773,306	1/27/2020	U.S.
Transparent auto-negotiation of ethernet	16/785,852	2/10/2020	U.S.
Layer-3 performance monitoring sectionalization	16/785,904	2/10/2020	U.S.
Topology and event monitoring system	16/794,447	N/A	U.S.
Protection switching using performance metrics	16/816,978	3/12/2020	U.S.
System for establishing and maintaining a clock reference indicating one-way latency in a data network	16/852,591	4/20/2020	U.S.
System and method for out-of-line real-time in-service performance measurement	16/882,818	5/26/2020	U.S.
Virtualized clocks	16/898,726	6/11/2020	U.S.
System for testing ethernet paths and links without impacting non-test traffic	16/915,104	6/29/2020	U.S.
Systems and methods of installing and operating devices without explicit network addresses	16/940,641	7/28/2020	U.S.
Integrated passive optical tap and optical signal termination	17/002,918	8/26/2020	U.S.
Cooling apparatus for pluggable modules	17/003,025	8/26/2020	U.S.
Area efficient traffic generator	17/034,379	9/28/2020	U.S.
Multi-hop reflector sessions	17/035,985	9/29/2020	U.S.
Single queue link aggregation	17/104,010	11/25/2020	U.S.
Simplified synchronized ethernet implementation	17/105,797	11/27/2020	U.S.
System and method for loopback and network loop detection and analysis	17/128,131	12/20/2020	U.S.

Method, a computer program product, and a carrier for indicating one-way latency in a data network	17/158,222	1/26/2021	U.S.
Systems and methods of discovering and controlling devices without explicit addressing	17/178,858	2/18/2021	U.S.
Precise statistics computation for communication networks	17/179,545	2/19/2021	U.S.
Providing efficient routing of an operations, administration and maintenance (oam) frame received at a port of an ethernet switch	17/179,554	2/19/2021	U.S.
Method for devices in a network to participate in an end-to-end measurement of latency	17/188,443	3/1/2021	U.S.
Service oam virtualization	17/188,711	3/1/2021	U.S.
Tcp performance predictor	17/188,852	3/1/2021	U.S.
Programmable small form-factor pluggable module	17/242,520	N/A	U.S.

EXHIBIT C
Registered Trademarks

Mark	Application Number	Filing Jurisdiction	Registration Number	Registration Date
ACCEDIAN	85–200,466	U.S.	3993834	12-Jul-11
ACCEDIAN	86–902,163	U.S.	5174456	4-Apr-17
ACCEDIAN	1597921	CANADA	TMA864354	5-Nov-13
ACCEDIAN	1767035	CANADA	TMA1018493	1-Apr-19
Accedian Networks	1703923	CANADA	TMA923717	16-Dec-15