

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6194340

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

**CONVEYING PARTY DATA**

Name	Execution Date
LES RESEAUX ACCEDIAN INC. / ACCEDIAN NETWORKS INC.	07/09/2020

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 30**

Property Type	Number
Patent Number:	8218576
Patent Number:	10594567
Patent Number:	10601663
Patent Number:	10601696
Patent Number:	10631180
Patent Number:	D853220
Patent Number:	10616382
Application Number:	60993622
Application Number:	16816793
Application Number:	16176966
Application Number:	16773306
Application Number:	16131530
Application Number:	16101970
Application Number:	15927238
Application Number:	16852591
Application Number:	16785852
Application Number:	16785904
Application Number:	62045965
Application Number:	62095273
Application Number:	16426770

**PATENT**

Property Type	Number
Application Number:	14530702
Application Number:	16229280
Application Number:	16151672
Application Number:	16816978
Application Number:	15017203
Application Number:	16206113
Application Number:	15353945
Application Number:	62255761
Application Number:	14967712
Application Number:	16794447

**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.*

**Phone:** 800-494-5225

**Email:** ipteam@coagencyglobal.com

**Correspondent Name:** STEWART WALSH

**Address Line 1:** 1025 VERMONT AVE NW, SUITE 1130

**Address Line 2:** COGENCY GLOBAL INC.

**Address Line 4:** WASHINGTON, D.C. 20005

<b>ATTORNEY DOCKET NUMBER:</b>	1241829 PAT
<b>NAME OF SUBMITTER:</b>	SARAH MACKIN
<b>SIGNATURE:</b>	/Sarah Mackin/
<b>DATE SIGNED:</b>	07/10/2020

**Total Attachments: 6**

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## **SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This Supplement to Intellectual Property Security Agreement (this “*Supplement*”), dated as of July 9, 2020, is by and between **SILICON VALLEY BANK**, a California corporation, with a loan production office located at 3003 Tasman Drive, HF 150, Santa Clara, California 95054 (“*Bank*”), and **LES RESEAUX ACCEDIAN INC. / ACCEDIAN NETWORKS INC.**, a corporation organized under the laws of Canada (“*Grantor*”).

**WHEREAS**, Grantor executed and delivered that certain Intellectual Property Security Agreement dated as of June 22, 2018 (as amended of record from time to time hereinafter, the “*IP Agreement*”) in favor of the Bank, pursuant to which Grantor pledged, assigned and granted a security interest in certain Intellectual Property Collateral (as defined in the IP Agreement), which was recorded (i) with the Trademark division of the United States Patent and Trademark Office on June 22, 2018 at Reel 6362, Frame 0522, (ii) with the Patent division of the United States Patent and Trademark Office on June 22, 2018 at Reel 046413, Frame 0496, (iii) with the Canadian Intellectual Property Office on July 13, 2018, (iv) with the Patent division of the United States Patent and Trademark Office on March 8, 2019 at Reel 048546, Frame 0934, and (v) with the Patent division of the United States Patent and Trademark Office on January 21, 2020 at Reel 051569, Frame 0413.

**WHEREAS**, Grantor has developed additional patent and patent applications (“*Patents*”), and desires to confirm the pledge of, and the grant of a security interest in, such additional Patents in favor of Bank.

**WHEREAS**, Grantor has developed additional trademark and trademark applications (“*Trademarks*”), and desires to confirm the pledge of, and the grant of a security interest in, such additional Trademarks in favor of Bank.

**NOW, THEREFORE**, in consideration of the mutual covenants herein contained and benefits to be derived herefrom, it is hereby agreed as follows:

1. **Definitions**. All capitalized terms herein and not otherwise defined shall have the same meaning herein as in the IP Agreement.
2. **Supplement to Exhibit B**. Exhibit B to the IP Agreement is hereby supplemented, but not replaced, by Exhibit B-1 annexed hereto.
3. **Supplement to Exhibit C**. Exhibit C to the IP Agreement is hereby supplemented, but not replaced, by Exhibit C-1 annexed hereto.
4. **Miscellaneous**:
  - a. Except as provided herein, all terms and conditions of the IP Agreement remain in full force and effect. Grantor hereby ratifies, confirms and reaffirms all of the representations, warranties and covenants contained therein.

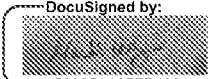
- b. This Supplement covers the entire understanding of the parties with respect to the matters set forth herein and supersedes all prior discussions and negotiations hereon.

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Supplement as of the date first written above.

**GRANTOR:**

**LES RESEAUX ACCEDIAN INC./  
ACCEDIAN NETWORKS INC.**

By:   
Name: Martin Lebeau  
Title: Chief Financial Officer

**EXHIBIT B-1**

**PATENTS AND PATENT APPLICATIONS**

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
System for Testing Ethernet Paths and Links without Impacting Non	60/993,622	September 13, 2007
METHOD, A COMPUTER PROGRAM PRODUCT, AND A CARRIER FOR INDICATING ONE-WAY LATENCY IN A DATA NETWORK	8,218,576	July 10, 2012
METHOD, A COMPUTER PROGRAM PRODUCT, AND A CARRIER FOR INDICATING ONE-WAY LATENCY IN A DATA NETWORK	16/816,793	March 12, 2020
PROGRAMMABLE SMALL FORM-FACTOR PLUGGABLE MODULE	16/176,966	October 31, 2018
Systems and methods of discovering and controlling devices without explicit addressing	10,594,567	March 17, 2020
Systems and methods of discovering and controlling devices without explicit addressing	16/773,306	January 27, 2020
METHODS OF INSTALLING AND OPERATING DEVICES WITHOUT EXPLICIT NETWORK ADDRESSES	16/131,530	September 14, 2018
METHOD FOR DEVICES IN A NETWORK TO PARTICIPATE IN AN END-TO-END MEASUREMENT OF LATENCY	16/101,970	August 13, 2018
MULTI-HOP REFLECTOR SESSIONS	15/927,238	March 21, 2018
SYSTEM FOR ESTABLISHING AND MAINTAINING A CLOCK REFERENCE INDICATING ONE-WAY LATENCY IN A DATA NETWORK	16/852,591	April 20, 2020
TRANSPARENT AUTO-NEGOTIATION OF ETHERNET	10,601,663	March 24, 2020
TRANSPARENT AUTO-NEGOTIATION OF ETHERNET	16/785,852	February 11, 2020
LAYER-3 PERFORMANCE MONITORING SECTIONALIZATION	10,601,696	March 24, 2020
LAYER-3 PERFORMANCE MONITORING SECTIONALIZATION	16/785,904	February 10, 2020
System and Method for loopback detection analysis	62/045,965	September 4, 2014
System and method for loopback and network loop detection and analysis	62/095,273	December 22, 2014

System and method for loopback and network loop detection and analysis	16/426,770	May 30, 2019
System and method to measure available bandwidth in ethernet transmission system using train of ethernet packs	14/530,702	November 1, 2014
Area efficient traffic generator	16/229,280	December 21, 2018
SINGLE QUEUE LINK AGGREGATION	16/151,672	October 4, 2018
Protection switching using performance metrics	10,631,180	April 21, 2020
Protection switching using performance metrics	16/816,978	March 12, 2020
INTEGRATED PASSIVE OPTICAL TAP AND OPTICAL SIGNAL TERMINATION	15/017,203	February 8, 2016
PRECISE STATISTICS COMPUTATION FOR COMMUNICATION NETWORKS	16/206,113	November 30, 2018
VIRTUALIZED CLOCKS	15/353,945	November 17, 2016
CABLE RETAINER	D853220	July 9, 2019
COOLING APPARATUS FOR PLUGGABLE MODULES	62/255,761	November 15, 2015
COOLING APPARATUS FOR PLUGGABLE MODULES	14/967,712	December 14, 2015
EFFICIENT CAPTURE AND STREAMING OF DATA PACKETS	10,616,382	April 7, 2020
TOPOLOGY AND EVENT MONITORING SYSTEM	16/794,447	February 19, 2020

**EXHIBIT C-1**

**TRADEMARKS AND TRADEMARK APPLICATIONS**

<u>Description</u>	<u>Serial/ Registration Number</u>	<u>Serial/ Registration Date</u>
PERFORMANCE VISION	4888358	1-19-2016