

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5920726

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|----------------------------------------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| LES RESEAUX ACCEDIAN INC. / ACCEDIAN NETWORKS INC. | 01/17/2020 |
| RECEIVING PARTY DATA | |
| Name: | SILICON VALLEY BANK |
| Street Address: | 3003 TASMAN DRIVE |
| Internal Address: | SUITE HF 150 |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |
| PROPERTY NUMBERS Total: 25 | |
| Property Type | Number |
| Application Number: | 16369098 |
| Application Number: | 16381664 |
| Application Number: | 16391492 |
| Application Number: | 16427391 |
| Application Number: | 16437041 |
| Application Number: | 16445351 |
| Application Number: | 16515413 |
| Application Number: | 16556900 |
| Application Number: | 16699469 |
| Application Number: | 16731832 |
| 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

| Property Type | Number |
|----------------|----------|
| Patent Number: | 10419325 |
| Patent Number: | 10425309 |
| Patent Number: | 10447609 |
| Patent Number: | 10484291 |
| Patent Number: | 10514739 |
| Patent Number: | 10530904 |

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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|--------------------------------|---------------------|
| ATTORNEY DOCKET NUMBER: | 354271-001152 |
| NAME OF SUBMITTER: | LARISSA S. BIFANO |
| SIGNATURE: | /Larissa S. Bifano/ |
| DATE SIGNED: | 01/21/2020 |

Total Attachments: 4

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SUPPLEMENT TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Supplement to Intellectual Property Security Agreement (this “**Supplement**”), dated as of January 17, 2020, is by and between **SILICON VALLEY BANK**, a California corporation (“**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, and (iv) with the Patent division of the United States Patent and Trademark Office on March 11, 2019 at Reel 048546, Frame 0934.

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.

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. 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: CFO

[Signature page to Supplement to Intellectual Property Security Agreement]

EXHIBIT B-1

PATENTS AND PATENT APPLICATIONS

| <u>Description</u> | <u>Registration/ Application Number</u> | <u>Registration/ Application Date</u> |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------|
| APPLICATIONS: | | |
| SYSTEM AND METHOD FOR OUT-OF-LINE REAL-TIME IN-SERVICE PERFORMANCE MEASUREMENT | 16/369,098 | 3/29/2019 |
| SYSTEM FOR TESTING ETHERNET PATHS AND LINKS WITHOUT IMPACTING NON-TEST TRAFFIC | 16/381,664 | 4/11/2019 |
| SYSTEM FOR ESTABLISHING AND MAINTAINING A CLOCK REFERENCE INDICATING ONE-WAY LATENCY IN A DATA NETWORK | 16/391,492 | 4/23/2019 |
| TCP PERFORMANCE PREDICTOR | 16/427,391 | 5/31/2019 |
| SIMPLIFIED SYNCHRONIZED ETHERNET IMPLEMENTATION | 16/437,041 | 6/11/2019 |
| METHOD, A COMPUTER PROGRAM PRODUCT, AND A CARRIER FOR INDICATING ONE-WAY LATENCY IN A DATA NETWORK | 16/445,351 | 6/19/2019 |
| SERVICE OAM VIRTUALIZATION | 16/515,413 | 7/18/2019 |
| PREEMPTIVE PACKET TRANSMISSION | 16/556,900 | 8/30/2019 |
| PROVIDING EFFICIENT ROUTING OF AN OPERATIONS, ADMINISTRATION AND MAINTENANCE (OAM) FRAME RECEIVED AT A PORT OF AN ETHERNET SWITCH | 16/699,469 | 11/29/2019 |
| EFFICIENT CAPTURE AND STREAMING OF DATA PACKETS | 16/731,832 | 12/31/2019 |
| | | |
| ISSUED PATENTS: | | |
| AREA EFFICIENT TRAFFIC GENERATOR | 10,250,464 | 4/2/2019 |
| SYSTEM AND METHOD FOR OUT-OF-LINE REAL-TIME IN-SERVICE PERFORMANCE MEASUREMENT | 10,291,484 | 5/14/2019 |
| SYSTEM FOR TESTING ETHERNET PATHS AND LINKS WITHOUT IMPACTING NON-TEST TRAFFIC | 10,305,737 | 5/28/2019 |
| SYSTEM FOR ESTABLISHING AND MAINTAINING A CLOCK REFERENCE INDICATING ONE-WAY LATENCY IN A DATA | 10,320,506 | 6/11/2019 |

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| NETWORK | | |
| MODIFIED ETHERNET PREAMBLE FOR INTER LINE CARD COMMUNICATIONS IN A MODULAR COMMUNICATION CHASSIS | 10,341,470 | 7/2/2019 |
| MULTICASTING OF EVENT NOTIFICATIONS USING EXTENDED SOCKET FOR INTER-PROCESS COMMUNICATION 11 | 10,365,957 | 7/30/2019 |
| TCP PERFORMANCE PREDICTOR | 10,382,347 | 8/13/2019 |
| SERVICE OAM VIRTUALIZATION | 10,404,522 | 9/3/2019 |
| SIMPLIFIED SYNCHRONIZED ETHERNET IMPLEMENTATION | 10,419,144 | 9/17/2019 |
| SYSTEM AND METHOD FOR LOOPBACK AND NETWORK LOOP DETECTION AND ANALYSIS | 10,419,325 | 9/17/2019 |
| METHOD, A COMPUTER PROGRAM PRODUCT, AND A CARRIER FOR INDICATING ONE-WAY LATENCY IN A DATA NETWORK | 10,425,309 | 9/24/2019 |
| PREEMPTIVE PACKET TRANSMISSION | 10,447,609 | 10/15/2019 |
| USING BANDWIDTH MEASUREMENTS TO ADJUST CIR AND EIR ON A SUB-RATE LINK | 10,484,291 | 11/19/2019 |
| POWER OVER ETHERNET MANAGEMENT DEVICES AND CONNECTION BETWEEN ETHERNET DEVICES | 10,514,739 | 12/24/2019 |
| PROVIDING EFFICIENT ROUTING OF AN OPERATIONS, ADMINISTRATION AND MAINTENANCE (OAM) FRAME RECEIVED AT A PORT OF AN ETHERNET SWITCH | 10,530,904 | 01/07/2020 |