

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4689159

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BROCADE COMMUNICATIONS SYSTEMS, INC.	11/07/2017
FOUNDRY NETWORKS, LLC	11/07/2017
RECEIVING PARTY DATA	
Name:	EXTREME NETWORKS, INC.
Street Address:	6480 VIA DEL ORO
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95119
PROPERTY NUMBERS Total: 23	
Property Type	Number
PCT Number:	US1725998
Application Number:	15466732
Application Number:	15467766
PCT Number:	US1755191
Application Number:	61732903
Application Number:	61919244
Application Number:	61994693
Application Number:	62088434
Application Number:	61932650
PCT Number:	US1512915
Application Number:	62137073
Application Number:	62137084
Application Number:	62137106
Application Number:	12900279
Application Number:	60823178
Application Number:	60880074
Application Number:	60975363
Application Number:	11953745
Application Number:	13437764

PATENT

Property Type	Number
Application Number:	13407397
Application Number:	61015151
Patent Number:	8149839
Application Number:	61015153

CORRESPONDENCE DATA

Fax Number: (646)219-6229

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: 646-973-2500

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Address Line 2: SUITE 1000

Address Line 4: NEW YORK, NEW YORK 10004

ATTORNEY DOCKET NUMBER:	112636-BROCADE
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NAME OF SUBMITTER:	PAMELA HARRISON
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SIGNATURE:	/Pamela Harrison/
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DATE SIGNED:	11/14/2017
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Total Attachments: 4

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UNITED STATES AND FOREIGN PATENT ASSIGNMENT

THIS ASSIGNMENT is made effective as of October 27, 2017 by BROCADE COMMUNICATIONS SYSTEMS, INC., a Delaware corporation, and FOUNDRY NETWORKS LLC, a Delaware limited liability company, hereinafter each referred to as an ASSIGNOR and together the ASSIGNORS, to EXTREME NETWORKS, INC., a Delaware corporation, hereinafter referred to as the ASSIGNEE.

WHEREAS, the ASSIGNORS own the patents and patent applications, hereinafter collectively referred to as the PATENTS, identified on Schedule "A" attached hereto.

WHEREAS, the ASSIGNEE is desirous of acquiring the entire right, title and interest of the ASSIGNOR in and to said PATENTS; and

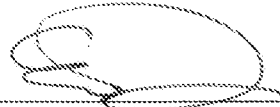
NOW, THEREFORE, for good and valuable consideration paid by the ASSIGNEE, the receipt of which is hereby acknowledged, each ASSIGNOR hereby sells, conveys, transfers, assigns and delivers to the ASSIGNEE all of such ASSIGNOR's right, title and interest in, to and under, the PATENTS, not only in the United States and its territorial possessions, but in all countries foreign thereto, and including any continuation, continuation-in-part, divisional, extension, substitution, re-examination or reissue thereof or any legal equivalent in the United States or a foreign country for the full term or terms for which the same may be granted, including (i) the right to claim priority in accordance with international treaties and conventions, (ii) the right to all income, royalties, damages and payments hereafter due or payable with respect to the PATENTS, (iii) the right to prosecute, maintain and defend the PATENTS before any public or private agency, office or registrar, and (iv) all claims, causes of action and rights to sue for past, present and future infringement or unconsented use of the PATENTS, said PATENTS to be held and enjoyed by the ASSIGNEE, its successors and assigns as fully and entirely as the same would have been held and enjoyed by the ASSIGNORS had this assignment not been made.

The ASSIGNORS covenant and agree to execute such further and confirmatory assignments in recordable form as the ASSIGNEE may require to vest record title of said respective registrations in ASSIGNEE.

(Signature Page Follows)

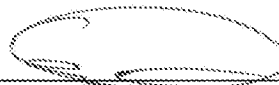
IN WITNESS WHEREOF, the ASSIGNORS have caused this Assignment to be executed by a duly authorized officer of each.

BROCADE COMMUNICATIONS SYSTEMS,
INC.

By: _____


Name: Ellen A. O'Donnell
Title: Senior Vice President and General
Counsel
Date: November 7, 2017

FOUNDRY NETWORKS, LLC

By: _____

Name: Ellen A. O'Donnell
Title: Vice President and Secretary
Date: November 7, 2017

BROCADE LEGAL

By _____
Date 11/7/17



**SCHEDULE A
PATENTS**

Country/ Region/Treaty	Title	File Date	Serial No.	Issue Date	Patent Number
PCT	Anomaly Detection and Prediction in a Packet Broker	4/4/2017	PCT/US17/25998		
US	Anomaly Detection and Prediction in a Packet Broker	3/22/2017	15/466,732		
US	Smart Expert Filter Generator	03/23/2017	15/467,766		
PCT	Smart Expert Filter Generator	10/04/2017	PCT/US17/55191		
US	Multicast Spray over LAG	12/03/2012	61/732,903		
US	Rule based data network traffic interception and distribution scheme	12/20/2013	61/919,244		
US	GENERAL PACKET RADIO SERVICE TUNNELING PROTOCOL CORRELATION CLUSTER	05/16/2014	61/994,693		
US	SESSION-BASED PACKET ROUTING FOR FACILITATING ANALYTICS	12/05/2014	62/088,434		
US	GTP Correlation Cluster	01/28/2014	61/932,650		
PCT	SESSION-BASED PACKET ROUTING FOR FACILITATION ANALYTICS	01/26/2015	PCT/US2015/012915		
US	Techniques for Exchanging Control and Configuration Information in a Network Visibility System	03/23/2015	62/137,073		
US	Techniques for Efficiently Programming Forwarding Rules in a Network Visibility System	03/23/2015	62/137,084		
US	Techniques for User-Defined Tagging of Traffic in a Network Visibility System	03/23/2015	62/137,106		
IN	CONFIGURATION OF A NETWORK VISIBILITY SYSTEM	06/17/2015	3037/CHE/2015		
IN	ARCHITECTURE FOR A NETWORK VISIBILITY SYSTEM	07/29/2015	3893/CHE/2015		
IN	Passive Session management and rule generation	06/29/2015	3308/CHE/2015		

Country/ Region/Treaty	Title	File Date	Serial No.	Issue Date	Patent Number
IN	CONFIGURATION OF LOAD-SHARING COMPONENTS OF A NETWORK VISIBILITY ROUTER IN A NETWORK VISIBILITY SYSTEM	06/29/2015	3310/CHE/2015		
IN	Session Director	02/12/2016	201641005019		
US	SYSTEM AND METHOD FOR ECMP LOAD SHARING	12/22/2006	12/900,279		
US	H/W IMPLEMENTATION OF ECMP (EQUAL COST MULTI-PATH) LOAD SHARING	04/22/2006	60/823,178		
US	TIMING SENSITIVE PROTOCOL PACKET HARDWARE ASSIST	01/11/2007	60/880,074		
US	FAST AND EFFICIENT TRUNK MANAGEMENT	09/26/2007	60/975,363		
US	TECHNIQUES FOR TRANSMITTING FAILURE DETECTION PROTOCOL PACKETS	12/10/2007	11/953,745		
US	TECHNIQUES FOR USING DUAL MEMORY STRUCTURES FOR PROCESSING FAILURE DETECTION PROTOCOL PACKETS	04/02/2012	13/437,764		
US	SELECTION OF TRUNK PORTS AND PATHS USING ROTATION	02/28/2012	13/407,397		
US	ADVANCED LOAD BALANCING FOR TRAFFIC OVER TRUNK INTERFACES AND/OR EQUAL COST ROUTED PATHS	12/19/2007	61/015,151		
US	SELECTION OF TRUNK PORTS AND PATHS USING ROTATION	08/26/2008	12/198,697	04/03/2012	8,149,839
US	EQUAL COST MULTIPLE PATH AND TRUNK DIVERSIFICATION FOR SINGLE AND MULTI- STAGE NETWORK	12/19/2007	61/015,153		