

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM472154

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
SILICON VALLEY BANK		05/01/2018	Corporation: CALIFORNIA
RECEIVING PARTY DATA			
Name:	EXTREME NETWORKS, INC.		
Street Address:	6480 Via Del Oro		
City:	San Jose		
State/Country:	CALIFORNIA		
Postal Code:	95119		
Entity Type:	Corporation: DELAWARE		
PROPERTY NUMBERS Total: 27			
Property Type	Number	Word Mark	
Registration Number:	4032543	AIRDEFENSE	
Registration Number:	2456966	BAYSTACK	
Registration Number:	2312393	BIGIRON	
Registration Number:	2281382	BLACKDIAMOND	
Registration Number:	2301696	CONTIVITY	
Registration Number:	4841944	E	
Registration Number:	4874975	E EXTREME NETWORKS	
Registration Number:	2243238	EXTREME NETWORKS	
Registration Number:	3840628	EXTREME NETWORKS	
Registration Number:	2549958	EXTREMEWORKS	
Registration Number:	3379396	EXTREMEXOS	
Registration Number:	3349489	IDENGINES	
Registration Number:	3349580	IGNITION	
Registration Number:	3975571	MLX	
Registration Number:	2174495	NETIRON	
Registration Number:	2388859		
Registration Number:	3910064		
Registration Number:	4073424	R	
Registration Number:	3796814	REACHNXT	

CH \$690.00 4032543

Property Type	Number	Word Mark
Registration Number:	2016279	SPECTRUM 24
Registration Number:	4960698	STACKSTORM
Registration Number:	2365696	SUMMIT
Registration Number:	4057074	VCS
Registration Number:	4046730	VDX
Registration Number:	4068603	VDX
Registration Number:	4837384	WI-FI COACH
Registration Number:	3261384	WIRELESS NETWORKER

CORRESPONDENCE DATA

Fax Number: 2127352000
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: 212.735.5117
Email: francine.waldbaum@skadden.com
Correspondent Name: Skadden, Arps, Slate, Meagher & Flom LLP
Address Line 1: Four Times Square
Address Line 2: Francine Waldbaum
Address Line 4: New York, NEW YORK 10036

ATTORNEY DOCKET NUMBER:	150770/26
NAME OF SUBMITTER:	Pramode Chiruvolu
SIGNATURE:	/pramode chiruvolu/
DATE SIGNED:	05/01/2018

Total Attachments: 46
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**RELEASE OF SECURITY INTEREST IN
INTELLECTUAL PROPERTY COLLATERAL**

This **RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL** (the “Release”) is dated as of May 1, 2018 by SILICON VALLEY BANK, a California corporation, as administrative agent for the Lenders referred to below and for the benefit of the Secured Parties (as defined in the Credit Agreement) (in such capacity, the “Administrative Agent”) in favor of EXTREME NETWORKS, INC., a Delaware corporation (the “Grantor”).

W I T N E S S E T H

WHEREAS, the Grantor, certain financial institutions as lenders (the “Lenders”) and the Administrative Agent entered into that certain Credit Agreement dated as of March 20, 2014 (as amended, modified, renewed or extended from time to time, the “Credit Agreement”);

WHEREAS, the Grantor, Enterasys Networks, Inc., a Delaware corporation, and the Administrative Agent entered into that certain Guarantee and Collateral Agreement dated as of March 20, 2014 (as amended, modified, renewed or extended from time to time, the “Guarantee and Collateral Agreement”);

WHEREAS, pursuant to the Guarantee and Collateral Agreement, the Grantor executed and delivered to the Administrative Agent that certain (i) Patent and Trademark Security Agreement dated as of July 24, 2015 (the “Patent and Trademark Security Agreement”) and recorded with the United States Patent and Trademark Office (“USPTO”) on July 24, 2015 at Reel/Frame No. 5584/0870 and on July 27, 2015 at Reel/Frame No. 36189/0284, (ii) Copyright Security Agreement dated as of July 24, 2015 (the “Copyright Security Agreement”) and recorded with the United States Copyright Office on August 5, 2015 at V9930 D533, (iii) Amended and Restated Patent and Trademark Security Agreement dated as of October 28, 2016 (the “First Amendment”) and recorded with the USPTO on October 28, 2016 at Reel/Frame No. 5909/0307 and on October 31, 2016 at Reel/Frame No. 40521/0762, (iv) Second Amended and Restated Patent and Trademark Security Agreement dated as of July 14, 2017 (the “Second Amendment”) and recorded with the USPTO on July 14, 2017 at Reel/Frame No. 43200/0614, (v) Third Amended and Restated Patent and Trademark Security Agreement dated as of October 27, 2017 (the “Third Amendment”) and collectively with the Patent and Trademark Security Agreement, the Copyright Security Agreement, the First Amendment, the Second Amendment, and the Third Amendment, the “Security Agreements”) and recorded with the USPTO on October 31, 2017 at Reel/Frame Nos. 6193/0518 and 44639/0300, pursuant to which the Grantor granted, assigned, and conveyed to the Administrative Agent (for the benefit of the Secured Parties) a security interest in all of its right, title and interest in, to and under the Collateral (as defined in the Security Agreements); and

WHEREAS, the Grantor has requested that the Administrative Agent release its security interest in the Collateral.


NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Administrative Agent hereby states as follows:

RESOLVED, the Administrative Agent hereby DISCHARGES, TERMINATES and RELEASES, without recourse, representation or warranty, its security interest in the Collateral, including the issued patents and patent applications, trademark registrations and applications, and copyright registrations set forth in Schedule I attached hereto and incorporated herein by reference, and agrees that all the security interest in the Collateral is hereby discharged, terminated and released. The undersigned hereby transfers and assigns to the Grantor, without recourse, representation or warranty, any and all right, title and interest that the Administrative Agent may have obtained in, to and under the Collateral under the Guarantee and Collateral Agreement and the Security Agreements.

[Signature Page Follows]

IN WITNESS WHEREOF, the Administrative Agent has caused this Release to be duly executed and delivered as of the date first written above.

SILICON VALLEY BANK,
as Administrative Agent

By: 
Name: STEPHEN CHANG
Title: DIRECTOR

SCHEDULE I
to
RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL

U.S. PATENTS

<u>Jurisdiction</u>	<u>Patent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	5365952	22-NOV-94	Haircutting Device Method And Apparatus For Predicting And Controlling Data Transmission In A Cdma/Cddlan
USA	5489162	6-FEB-96	Fasting
USA	5526355	11-JUN-96	Method And Apparatus For Use In A Network Of The Ethernet Type, To Improve Performance By Reducing The Occurrence Of Collisions In The Event Of Channel Capture
USA	5537413	16-JUL-96	Frame Removal Mechanism For Token Ring Networks
USA	5546377	13-AUG-96	Efficient Distributed Method For Computing Max-Min Fair Rates Of A Limited Resource In Atn Networks
USA	5553085	3-SEP-96	Method And Apparatus For Generating A 48-Bit Frame Check Sequence
USA	5596575	21-JAN-97	Automatic Network Speed Adapter
USA	5650997	22-JUL-97	Method And Apparatus For Use In A Network Of The Ethernet Type, To Improve Fairness By Controlling Collision Backoff T
USA	5668951	16-SEP-97	Avoiding Congestion System For Reducing Traffic Load On Selected End Systems Which Utilizing Above Their Allocated Fair
USA	5675742	7-OCT-97	System For Setting Congestion Avoidance Flag At Intermediate Node To Reduce Rates Of Transmission On Selected End System
USA	5684800	4-NOV-97	Method For Establishing Restricted Broadcast Groups In A Switched Network
USA	5745697	28-APR-98	Network Flow Control Haying Intermediate Node Scalability To A Large Numbers Of Virtual Circuits
USA	5751971	12-MAY-98	Internet Protocol (Iip) Work Group Routing
USA	5781772	14-JUL-98	Compressed Prefix Matching Database Searching
USA	5796966	18-AUG-98	Method And Apparatus For Dynamically Controlling Data Routes Through A Network
USA	5802061	19-OCT-95	Method And Apparatus For Network Access Control With Implicit Ranging And Dynamically Assigned Time Slots
USA	5805808	9-APR-97	Real Time Parser For Data Packets In A Communications Network

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	5822612	12-SEP-96	Apparatus And Method For Managing Schedule Table Pointers
USA	5825772	20-OCT-98	Distributed Connection-Oriented Services For Switched Communications Networks
USA	5838989	17-NOV-98	Common Interface For A Network Having Different Communication Media Employing A Carrier Sense Multiple Access With Col
USA	5844902	1-DEC-98	Assigning Multiple Parallel Bridge Numbers To Bridges
USA	5862206	12-SEP-96	Method And Apparatus For Performing Raw Cell Status Report Frequency Mitigation On Transmit In A Network Node
USA	5867480	2-FEB-99	Method And Apparatus For Controlling Congestion In A Network Node
USA	5870386	9-FEB-99	Method And Apparatus For Transparently Bridging Traffic Across Wide Area Networks
USA	5894517	13-APR-99	High-Speed Backplane Bus With Low Rf Radiation
USA	5898694	27-APR-99	Method Of Round Robin Bus Arbitration
USA	5901045	4-MAY-99	Method And Apparatus For Isolating Component Leads
USA	5905723	18-MAY-99	System For Achieving Scalable Router Performance
USA	5910690	8-JUN-99	Hotswappable Chassis And Electronic Circuit Cards
USA	5918040	29-JUN-99	Method For Maintaining Time Synchronization Between Two Processors In A Network Interface
USA	5920900	6-JUL-99	Hash-Based Translation Method And Apparatus With Multiple Level Collision Resolution
USA	5922046	13-JUL-99	Method And Apparatus For Avoiding Control Reads In A Network Node
USA	5936962	10-AUG-99	Method And Apparatus For Predicting And Controlling Data Transmission In A Cdma/Cdian
USA	5940376	17-AUG-99	Method And Apparatus To Establish A Tap-Point In A Switched Network
USA	5941952	24-AUG-99	Apparatus And Method For Transferring Data From A Transmit Buffer Memory At A Particular Rate
USA	5946308	31-AUG-99	Method For Establishing Restricted Broadcast Groups In A Switched Network
USA	5953342	14-SEP-99	Method For Dynamically Providing End-To-End Connections In An Asynchronous Transfer Mode (Atm) Network
USA	5954301	21-SEP-99	Cable Management Unit
USA	5954835	21-SEP-99	Check Sequence Preservation
USA	5956322	21-SEP-99	Improved Phantom Flow Control Method And Apparatus

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	5956335	21-SEP-99	Many To Few Group Address Translation Through A Network Bridge
USA	5961345	5-OCT-99	Faceplate System
USA	5963556	5-OCT-99	Device For Partitioning Ports Of A Bridge Into Groups Of Different Virtual Local Area Networks
USA	5963719	5-OCT-99	Two-Pin Distributed Ethernet Bus Architecture
USA	5966546	12-OCT-99	Method And Apparatus For Performing Tx Raw Cell Status Report Frequency And Interrupt Frequency Mitigation In A Network Node
USA	5968128	19-OCT-99	Traffic Control System Having Distributed Rate Calculation And Link By Link Flow Control
USA	5970229	12-SEP-96	Apparatus And Method For Performing Look-Ahead Scheduling Of Dma Transfers Of Data From A Host Memory To A Transmit Buffer Memory
USA	5974467	26-OCT-99	Protocol For Communicating Data Between Packet Forwarding Devices Via An Intermediate Network Interconnect Device
USA	5978357	2-NOV-99	Phantom Flow Control Method And Apparatus With Improved Stability
USA	5978385	2-NOV-99	Repeater Providing For Deterministic Access In A Lan Utilizing The Csm/cd Medium Access Method
USA	5978385	2-NOV-99	Repeater Providing For Deterministic Access In A Lan Utilizing The Csm/cd Medium Access Method
USA	5987522	16-NOV-99	Privileged Virtual Local Area Networks
USA	5995995	12-SEP-96	Apparatus And Method For Scheduling Virtual Circuit Data For Dma From A Host Memory To A Transmit Buffer Memory
USA	5999538	7-DEC-99	Method And Apparatus For Arbitrating Data Transmission In A Csm/cd Lan
USA	5999980	12-SEP-96	Apparatus And Method For Setting A Congestion Indicate Bit In An Backwards Rim Cell On An Atm Network
USA	6000008	7-DEC-99	Method And Apparatus For Matching Data Items Of Variable Length In A Content Addressable Memory
USA	6002675	14-DEC-99	Method And Apparatus For Controlling Transmission Of Data Over A Network
USA	6008550	28-DEC-99	Hotswappable Chassis And Electronic Circuit Cards
USA	6014409	11-JAN-00	Passive Analog Filter For Network Interface
USA	6014659	11-JAN-00	Compressed Prefix Matching Database Searching
USA	6023471	8-FEB-00	Network Interconnect Device And Protocol For Communicating Data Among Packet Forwarding Devices
USA	6034957	7-MAR-00	Sliced Comparison Engine Architecture And Method For A Lan Switch

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6041042	21-MAR-00	Remote Port Mirroring System And Method Thereof
USA	6044121	28-MAR-00	Method And Apparatus For Recovery Of Time Skewed Data On A Parallel Bus
USA	6046982	4-APR-00	Method And Apparatus For Reducing Data Loss In Data Transfer Devices
USA	6047328	4-APR-00	Method And Apparatus For Allocating A Transmission Rate To Source End Nodes In A Network
USA	6061737	9-MAY-00	Two-Pin Distributed Ethernet Bus Architecture
USA	6067300	23-MAY-00	Optimizing The Transfer Of Data Packets Between Lans
USA	6067557	23-MAY-00	Method And System For Allocating Cpu Bandwidth
USA	6067563	23-MAY-00	Method And Apparatus For Avoiding Control Reads In A Network Node
USA	6072772	6-JUN-00	Method For Providing Bandwidth And Delay Guarantees In A Crossbar Switch With Speedup
USA	6078949	20-JUN-00	Scheme For Interlocking And Transferring Information Between Devices In A Computer System
USA	6081508	27-JUN-00	Remote Computer Communication
USA	6081511	27-JUN-00	Load Sharing For Redundant Networks
USA	6084944	4-JUL-00	System For Automated Voice Terminal Recognition And Dynamic Representation On A Test Facility
USA	6085215	4-JUL-00	Scheduling Mechanism Using Predetermined Limited Execution Time Processing Threads In A Communication Network
USA	6097705	1-AUG-00	Buffered Repeater With Independent Ethernet Collision Domains
USA	6101170	8-AUG-00	Secure Fast Packet Switch Having Improved Memory Utilization
USA	6104700	15-AUG-00	Policy Based Quality Of Service
USA	6112251	29-AUG-00	Virtual Local Network For Sending Multicast Transmissions To Trunk Stations
USA	6122281	19-SEP-00	Method And Apparatus For Transmitting Lan Data Over A Synchronous Wide Area Network
USA	6125466	26-SEP-00	Drann Parity Protection Scheme
USA	6128665	3-OCT-00	Port Based Default Virtual Local Area Network
USA	6147976	14-NOV-00	Fast Network Layer Packet Filter
USA	6147995	14-NOV-00	Method For Establishing Restricted Broadcast Groups In A Switched Network
USA	6151324	21-NOV-00	Connection Aggregation In Switched Communications Networks

<u>Jurisdiction</u>	<u>Patent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6154589	28-NOV-00	Method And System For Removal Of Low Order Optical Transmission Modes To Improve Modal Bandwidth In A Multimode Optica
USA	6167049	26-DEC-00	Non-Zero Minimum Cell Rate For Available Bit Rate Atm Service
USA	6198751	6-MAR-01	Multi-Protocol Packet Translator
USA	6249820	19-JUN-01	Internet Protocol (Ip) Work Group Routing
USA	6259898	10-JUL-01	Multi-Communication Access Point
USA	6272109	7-AUG-01	Hierarchical Schedules For Different Atm Traffic
USA	6295299	25-SEP-01	Data Path Architecture For Alan Switch
USA	6301224	9-OCT-01	Network Switch With Panic Mode
USA	6313719	6-NOV-01	Method Of Tuning A Planar Filter With Additional Coupling Created By Bent
USA	6317011	13-NOV-01	Resonant Capacitive Coupler
USA	6317427	13-NOV-01	Method And Apparatus For Adaptive Port Buffering
USA	6317599	13-NOV-01	Method And System For Automated Optimization Of Antenna Positioning In 3-D
USA	6326920	4-DEC-01	Sheet-Metal Antenna
USA	6329949	11-DEC-01	Transceiver Stacked Assembly
USA	6331983	18-DEC-01	Multicast Switching
USA	6356168	12-MAR-02	Sheet-Metal Filter
USA	6356680	12-MAR-02	Method And System For Removal Of Low Order Optical Transmission Modes To Improve Modal Bandwidth In A Multimode Optical Fiber
USA	6359426	19-MAR-02	Voltage Threshold Circuit For Power Conditioner
USA	6374084	16-APR-02	Method And System For Calibrating Electronic Devices Using Polynomial Fit Calibration Scheme
USA	6385442	7-MAY-02	Multiphase Receiver And Oscillator
USA	6393261	21-MAY-02	Multi-Communication Access Point
USA	6400777	4-JUN-02	Linear Modulator
USA	6404772	11-JUN-02	Voice And Data Wireless Communications Network And Method

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6411483	25-JUN-02	Hiccup-Mode Current Protection Circuit For Switching Regulator
USA	6411608	25-JUN-02	Method And Apparatus For Variable Power Control In Wireless Communications Systems
USA	6418480	12-JUL-00	Communication Packet Including A Multicast Address And A Destination Address Different Than An Equivalent
USA	6421731	16-JUL-02	Dynamic Next Hop Routing Protocol
USA	6425106	23-JUL-02	Extended Ecc System
USA	6430194	6-AUG-02	Method And Apparatus For Arbitrating Bus Access Amongst Competing Devices
USA	6442170	27-AUG-02	Adaptive Addressing Filtering
USA	6442507	27-AUG-02	System For Creating A Computer Model And Measurement Database Of A Wireless Communication Network
USA	6449279	10-SEP-02	Aggregation Of Data Flows Over A Pre- Established Path To Reduce Connections
USA	6453159	17-SEP-02	Multi-Level Encryption System For Wireless Network
USA	6456624	24-SEP-02	Network Address Resolve Blocker
USA	6466997	15-OCT-02	Method And Apparatus For Performing Tx Raw Cell Status Report Frequency And Interrupt Frequency Mitigation In A Network Mode
USA	6469987	22-OCT-02	Virtual Local Area Networks With Trunk Stations
USA	6488533	3-DEC-02	Devices For Protecting Network Equipment From Electrostatic Discharge Emanating From Network Cables
USA	6493679	10-DEC-02	Method And System For Managing A Real Time Bill Of Materials
USA	6499006	24-DEC-02	System For The Three Dimensional Display Of Wireless Communication System Performance
USA	6510151	21-JAN-03	Packet Filtering In Connection-Based Switching Networks
USA	6525266	25-FEB-03	Circuit-Board Mounted Clip For Electromagnetic Interference Reduction
USA	6526052	25-FEB-03	Virtual Local Area Networks Haying Rules Of Precedence
USA	6526506	25-FEB-03	Multi-Level Encryption Access Point For Wireless Network
USA	6538996	25-MAR-03	Remote Computer Communication
USA	6556329	29-APR-03	Method And System For Preventing Low Order Optical Transmission Modes In A Multimode Optical Fiber Computer Network Us

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6560236	6-MAY-03	Virtual Lans
USA	6563837	13-MAY-03	Arbitration Method And Apparatus For A Non-Blocking Switch
USA	6567075	20-MAY-03	Feature Access Control In A Display-Based Terminal Environment
USA	6567410	20-MAY-03	Assigning Multiple Parallel Bridge Numbers To Bridges Having Three Or More Ports
USA	6597584	22-JUL-03	Ejector Assembly
USA	6600734	29-JUL-03	Apparatus For Interfacing A Wireless Local Network And A Wired Voice Telecommunications System
USA	6603847	5-AUG-03	Incoming Call Routing System With Integrated Wireless Communication System
USA	6621799	16-SEP-03	Semi-Reliable Data Transport
USA	6625454	23-SEP-03	Method And System For Designing Or Deploying A Communications Network Which Considers Frequency Dependent Effects
USA	6647413	11-NOV-03	Method And Apparatus For Measuring Performance In Packet-Switched Networks
USA	6650639	18-NOV-03	Secure Fast Packet Switch Haying Improved Memory Utilization
USA	6654374	25-NOV-03	Method And Apparatus To Reduce Jitter In Packet Switched Networks
USA	6674760	6-JAN-04	Method And System For Implementing End-To-End Qos In Packet-Switched Networks
USA	6685498	3-FEB-04	Logic Analyzer Testing Method And Configuration And Interface Assembly For Use Therewith
USA	6694430	17-FEB-04	Data Encryption Integrated Circuit For With On-Board Dual-Use Memory
USA	6711125	23-MAR-04	Provisioning Networks For Reliable Quality Of Service
USA	6711171	23-MAR-04	Distributed Connection-Oriented Services For Switched Communications Networks
USA	6714517	30-MAR-04	Method And Apparatus For Interconnection Of Packet Switches With Guaranteed Bandwidth
USA	6721769	13-APR-04	Method And System For Developing Input With A Building Database Manipulator
USA	6735445	11-MAY-04	System And Method For Medium Access Control In A Wireless Network
USA	6735450	11-MAY-04	Method And Apparatus For Wireless Outdoor Environment Communications Networks
USA	6754171	22-JUN-04	Method And System For Distributed Clock Failure Protection In A Packet Switched Network
USA	6766482	20-JUL-04	Ethernet Automatic Protection Switching
USA	6781990	24-AUG-04	Method And System For Managing Traffic In A Packet Network Environment

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6822966	23-NOV-04	Allocating Buffers For Data Transmission In A Network Communication Device
USA	6850490	1-FEB-05	Hierarchical Output-Queued Packet- Buffering System And Method
USA	6850946	1-FEB-05	Method And System For Developing Input With A Building Database Manipulator
USA	6859438	22-FEB-05	Policy Based Quality Of Service
USA	6865154	8-MAR-05	Method And Apparatus For Providing Bandwidth And Delay Guarantees In Combined Input-Output Buffered Crossbar
USA	6876951	5-APR-05	System For Creating A Computer Model And Measurement Database Of A Wireless Communication Network
USA	6892309	10-MAY-05	Controlling Usage Of Network Resources By A User At The User's Entry Point To A Communications Network Based On An Identity Of The User
USA	6907466	14-JUN-05	Methods And Systems For Efficiently Delivering Data To A Plurality Of Destinations In A Computer Network
USA	6925094	2-AUG-05	System And Method For Wireless Network Channel Management
USA	6930985	16-AUG-05	Method And Apparatus For Management Of Configuration In A Network
USA	6954436	11-OCT-05	Method And Apparatus For Selecting Redundant Routers Using Tracking
USA	6956816	18-OCT-05	Fault Tolerant Automatic Protection Switching For Distributed Routers
USA	6963311	8-NOV-05	Apparatus And Method For Locking An Antenna Into Position
USA	6970424	29-NOV-05	Method And Apparatus To Minimize Congestion In A Packet Switched Network
USA	6970426	29-NOV-05	Rate Color Marker
USA	6971063	29-NOV-05	System, Method And Apparatus For Portable Design, Deployment, Test And Optimization Of A Communication Network
USA	6973622	6-DEC-05	System And Method For Design, Tracking, Measurement, Prediction, Optimization Of Data Communication And Networks
USA	D510343	4-OCT-05	Network Access Port
USA	D512052	29-NOV-05	Network Access Port
USA	D512697	13-DEC-05	Housing For Electronic Device
USA	6977891	20-DEC-05	Method And System For Multicast Traffic Reduction

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	6980550	27-DEC-05	Method And Apparatus For Server Load Balancing
USA	6981174	27-DEC-05	Method And Apparatus For A Redundant Port.
USA	6985461	10-JAN-06	Site-Hosting, Mobile Terminal For Wireless Connection To Computer Network
USA	6990592	24-JAN-06	Controlling Concurrent Usage Of Network Resources By Multiple Users At An Entry Point To A Communications Network Base
USA	7003705	21-FEB-06	Ethernet Automatic Protection Switching
USA	7009983	7-MAR-06	Methods And Apparatus For Broadcast Domain Interworking
USA	7017082	21-MAR-06	Method And System For A Process Manager
USA	7019753	28-MAR-06	Textual And Graphical Demarcation Of Location And Interpretation Of Measurements
USA	7030811	18-APR-06	Methods And Apparatus For Identifying Asset Location In Communication Networks
USA	7030812	18-APR-06	Wireless Clock Synchronization
USA	7035642	25-APR-06	Method And System For Analysis, Design And Optimization Of Communications Network
USA	7042852	9-MAY-06	System And Method For Wireless Lan Dynamic Channel Change With Honeypot Trap
USA	7046665	16-MAY-06	Provisional Ip-Aware Virtual Paths Over Networks
USA	7047515	16-MAY-06	Method For Selecting And Placing Bypass Capacitors On Multi-Layer Printed Circuit Boards
USA	7055107	30-MAY-06	Method, And System For Automated Selection Of Optimal Communication Network Equipment Model, Position, And Configuration In 3-D
USA	7058796	6-JUN-06	Method And System For Actively Defending A Wireless Lan Against Attacks
USA	7068999	27-JUN-06	System And Method For Detection Of A Rogue Wireless Access Point In A Wireless Communication Network
USA	7069024	27-JUN-06	System And Method For Determining Location Of Rogue Wireless Access Point
USA	7069025	27-JUN-06	Methods And Apparatus For Identifying Asset Location In Communication Networks
USA	7085697	1-AUG-06	Method And System For Designing Or Deploying A Communications Network Which Considers Component Attributes
USA	7086089	1-AUG-06	Systems And Methods For Network Security
USA	7092943	15-AUG-06	Location Based Data

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USA	7093072	15-AUG-06	Methods For Improved Data Caching
USA	7096160	22-AUG-06	System And Method For Measuring And Monitoring Wireless Network Performance In Campus And Indoor Environments
USA	7096173	22-AUG-06	Method And System For Designing Or Deploying A Communications Network Which Allows Simultaneous Selection Of Multiple Components
USA	7111017	19-SEP-06	Dynamic Device Management And Deployment.
USA	7119280	10-OCT-06	System And Method For Cable Management On Rack Mounted Installations
USA	7126923	24-OCT-06	Method And System For Inter-Domain Loop Protection Using A Hierarchy Of Loop Resolving Protocols
USA	7126926	24-OCT-06	Multi-Tier Wireless Communications Architecture, Applications, And Methods
USA	7126945	24-OCT-06	Power Saving Function For Wireless Lans: Methods, System, And Program Products
USA	7127258	24-OCT-06	Wlan Roaming Based On Location
USA	7130308	31-OCT-06	Data Path Architecture For Alan Switch
USA	7137743	21-NOV-06	Visual Optical Indicators For Plug Assemblies, Connectors And Cables
USA	7142509	28-NOV-06	Method And Apparatus Providing For Delivery Of Streaming Media
USA	7149217	12-DEC-06	Load-Sharing Technique For Distributing Multi-Protocol Label Switching Protocol Encapsulated Flows Across Multiple Physical Links
USA	7152124	19-DEC-06	Method And System For Maintaining Temporal Consistency Of Resources And Data In A Multiple-Processor Packet Switch
USA	7152242	19-DEC-06	Modular System For Detecting, Filtering And Providing Notice About Attack Events Associated With Network Security
USA	7154861	26-DEC-06	Method And System For A Virtual Local Area Network To Span Multiple Loop Free Network Topology Domains.
USA	7155228	26-DEC-06	Method And System For Analysis, Design And Optimization Of Communications Network
USA	7162258	9-JAN-07	Light Fixture Wireless Access Points
USA	7164883	16-JAN-07	Method And System For Modeling And Managing Terrain, Buildings And Infrastructure
USA	7167717	23-JAN-07	System And Method For Wired Network Synchronization For Real Time Location Tracking

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USA	7171208	30-JAN-07	Method And System, With Component Kits For Designing Or Deploying A Communications Network Which Considers Frequency Dependent Effects
USA	7173922	6-FEB-07	Multiple Wireless Local Area Networks Occupying Overlapping Physical Spaces
USA	7173923	6-FEB-07	Security In Multiple Wireless Local Area Networks
USA	7185216	27-FEB-07	Source Synchronous Data Interface
USA	7194183	20-MAR-07	Modular Receptacle Assembly And Interface With Integral Optical Indication
USA	7222268	22-MAY-07	System Resource Availability Manager
USA	7245619	17-JUL-07	Method And Apparatus For Managing Routes
USA	7245629	17-JUL-07	Method And Apparatus For A Control Communication Channel In A Packet- Forwarding Device
USA	7246045	17-JUL-07	System And Method For Efficiently Visualizing And Comparing Communication Network System Performance
USA	7250906	31-JUL-07	Methods And Apparatus For Identifying Asset Location In Communication Networks
USA	7260115	21-AUG-07	System And Method Of Ordering The Transmission Of Data Packets In A Radio System
USA	7269135	11-SEP-07	Methods And Systems For Providing Redundant Connectivity Across A Network Using A Tunneling Protocol
USA	7272414	18-SEP-07	Method And Apparatus For Configuring A Voice Over Ip Client Connection
USA	7272672	18-SEP-07	High Speed Bus With Flow Control And Extended Burst Enhancements
USA	7277404	2-OCT-07	System And Method For Sensing Wireless Lan Activity
USA	7280520	9-OCT-07	Virtual Wireless Local Area Networks
USA	7286552	23-OCT-07	Method And Apparatus For Providing Quality Of Service Across A Switched Backplane For Multicast Packets
USA	7286971	23-OCT-07	System And Method For Efficiently Visualizing And Comparing Communication Network System Performance
USA	7290263	30-OCT-07	Method And System For A Scriptable Command Line Interface
USA	7292591	6-NOV-07	Packet Processing System Architecture And Method
USA	7295119	13-NOV-07	System And Method For Automated Placement Of Configuration Of Equipment For Obtaining Desired Network Performance Objectives And For Security, Rf Tags And Bandwidth Provisioning

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USA	7295556	13-NOV-07	Location Discovery In A Data Network
USA	7295960	13-NOV-07	System And Method For Automated Placement Of Configuration Of Equipment For Obtaining Desired Network Performance Objectives And For Security, Rf Tags And Bandwidth Provisioning
USA	7296066	13-NOV-07	Mobile Communication System For A Network
USA	7298746	20-NOV-07	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies
USA	7299168	20-NOV-07	System For The Three Dimensional Display Of Wireless Communication System Performance
USA	7304996	4-DEC-07	System And Method For Assembling A Data Packet
USA	7310664	18-DEC-07	Unified Adaptive Network Architecture
USA	7321926	22-JAN-08	Method Of And System For Allocating Resources To Resource Requests
USA	7322044	22-JAN-08	System And Methods For Automated Network Policy Exception Detection And Correction
USA	7324804	29-JAN-08	System And Methods For Dynamic Sensor Discovery And Selection
USA	7328277	5-FEB-08	High-Speed Data Processing Using Internal Processor Memory Space
USA	7334048	19-FEB-08	Method And Apparatus For Fast Route Table Update
USA	7339905	4-MAR-08	Multi-Tier Wireless Communications Architecture, Applications, And Methods
USA	7343597	11-MAR-08	Methods And Apparatus For Communication Between An Application And A Device
USA	7347628	25-MAR-08	Optical Interface Identification System
USA	7348862	25-MAR-08	Modular Connector With Suppression Of Conducted And Radiated Emissions
USA	7349228	25-MAR-08	Ejector Assembly For Rack- Mounted Computing Devices
USA	7349356	25-MAR-08	Power Saving Function For Wireless Lams: Methods, System, And Program Products
USA	7349774	25-MAR-08	Aircraft Traffic Warning System Using An Ad-Hoc Radio Network
USA	7355996	8-APR-08	System And Methods For Adaptive Monitoring With Bandwidth Constraints
USA	7359676	15-APR-08	System And Methods For Adaptively Scanning For Wireless Communications
USA	7362700	22-APR-08	Methods And Systems For Hitless Restart Of Layer 3 Packet Forwarding
USA	7366935	29-APR-08	High Speed Bus With Alignment, Re-Timing And Buffer Underflow/Overflow Detection Enhancements

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USA	7372813	13-MAY-08	Virtual Load Balancing Across A Network Link
USA	7376079	20-MAY-08	Backup Cell Controller
USA	7376951	20-MAY-08	Method And Apparatus For Controlling Process Dependencies
USA	7383577	3-JUN-08	Method And System For Encrypted Network Management And Intrusion Detection
USA	7385476	10-JUN-08	Method And System For Communicating Data To A Wireless Access Point
USA	7385984	10-JUN-08	Packet Processing System Architecture And Method
USA	7386298	10-JUN-08	Method And Apparatus For Roaming On A Wireless Network
USA	7386309	10-JUN-08	Method And System For Distributed Wireless Access
USA	7386605	10-JUN-08	Methods And Apparatus For Automated Edge Device Configuration In A Heterogeneous Network
USA	7389505	17-JUN-08	Method And Apparatus For Modifying Software
USA	7400647	15-JUL-08	Look Up Table (Lut) For Point-To-Point Protocol Identification (Ppp Id)
USA	7400879	15-JUL-08	Method For Conducting Mobile Communications For A Network
USA	7401086	15-JUL-08	Translating Configuration Files Among Network Devices
USA	7404091	22-JUL-08	Methods, Systems, And Computer Program Products For Managing Power Allocation To A Device Powered Over A Network Communications Cable Based On A Cable Characteristic
USA	7408876	5-AUG-08	Method And Apparatus For Providing Quality Of Service Across A Switched Backplane Between Egress Queue Managers
USA	7408885	5-AUG-08	Method And Apparatus For Automatic Determination Of Performance Problem Locations In A Network
USA	7411901	12-AUG-08	Method And Apparatus For Dynamically Selecting Timer Durations
USA	7424000	9-SEP-08	Time Slot Reservation Scheme In Wireless Meshed Networks
USA	7424300	9-SEP-08	Method For Tracking Location Of A Mobile Unit
USA	7437127	14-OCT-08	Method And System For Determining Existence Of A Predetermined Wireless Network Coverage Condition In A Wireless Network
USA	7443809	28-OCT-08	Method, System, And Apparatus For Creating An Active Client List To Support Layer 3 Roaming In Wireless Local Area Networks (Wlans)
USA	7447777	4-NOV-08	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies

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USA	7448045	4-NOV-08	Method And Apparatus To Extend A Program
USA	7450940	11-NOV-08	Wireless Network System And Method
USA	7453874	18-NOV-08	Method And System For Incrementally Updating A Checksum In A Network Data Packet
USA	7457297	25-NOV-08	Methods And Apparatus For Differentiated Services Over A Packet- Based Network
USA	7463628	9-DEC-08	Packet Data Modification Processor Command Instruction Set
USA	7480917	20-JAN-09	User Interface For Editing Objects Of A Network Object Database
USA	7483370	27-JAN-09	Methods And Systems For Hitless Switch Management Module Failover And Upgrade
USA	7492248	17-FEB-09	Multi-Tier Wireless Communications Architecture, Applications, And Methods
USA	7492744	17-FEB-09	Method And System For Multiple Basic And Extended Service Set Identifiers In Wireless Local Area Networks
USA	7493124	17-FEB-09	Method And Apparatus For Updating Information Within A Communication System
USA	7496070	24-FEB-09	Reconfigurable Arrays Of Wireless Access Points
USA	7499411	3-MAR-09	System And Method For Providing Automatic Load Balancing And Redundancy In Access Port Adoption
USA	7499679	3-MAR-09	Wireless Network Access Point And Sensor
USA	7502374	10-MAR-09	System For Deriving Hash Values For Packets In A Packet Processing System
USA	7515573	7-APR-09	Method, System, And Apparatus For Creating An Active Client List To Support Layer 3 Roaming In Wireless Local Area Networks (Wlans)
USA	7522516	21-APR-09	Exception Handling System For Packet Processing System
USA	7522908	21-APR-09	System And Methods For Wireless Network Site Survey Systems And Methods
USA	7526541	28-APR-09	System And Method For Dynamic Network Policy Management
USA	7526808	28-APR-09	Method And System For Actively Defending A Wireless Lan Against Attacks
USA	7529203	5-MAY-09	Method, System, And Apparatus For Load Balancing Of Wireless Switches To Support Layer 3 Roaming In Wireless Local Area Networks (Wlans)
USA	7529243	5-MAY-09	Apparatus And Method For A Virtual Hierarchical Local Area Network
USA	7532895	12-MAY-09	Systems And Methods For Adaptive Location Tracking
USA	7539750	26-MAY-09	System And Method For Packet Processor Status Monitoring

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USA	7542770	2-JUN-09	Method For Mobile Unit Location Estimate In A Wireless Lan
USA	7546480	9-JUN-09	High Speed Bus With Alignment, Re-Timing And Buffer Underflow/Overflow Detection Enhancements
USA	7552275	23-JUN-09	Method Of Performing Table Lookup Operation With Table Index That Exceeds Cam Key Size
USA	7554978	30-JUN-09	System For Accessing Content-Addressable Memory In Packet Processor
USA	7558273	7-JUL-09	Methods And Systems For Associating And Translating Virtual Local Area Network (Vlan) Tags
USA	7568107	28-JUL-09	Method And System For Auto Discovery Of Authenticator For Network Login
USA	7570929	4-AUG-09	802.11 Networks Using Dynamic Power Control For Rf Transmission
USA	7574323	11-AUG-09	Textual And Graphical Demarcation Of Location And Interpretation Of Measurements
USA	7577424	18-AUG-09	Systems And Methods For Wireless Vulnerability Analysis
USA	7577996	18-AUG-09	Apparatus, Method And System For Improving Network Security
USA	7580350	25-AUG-09	System For Deriving Packet Quality Of Service Indicator
USA	7580403	25-AUG-09	Status Transmission System And Method
USA	7580409	25-AUG-09	System For And Method Of Communicating Control Information Between Entities Interconnected By Backplane Connections
USA	7581024	25-AUG-09	Method And System For Increasing Participation In A Standby Router Protocol
USA	7581249	25-AUG-09	Distributed Intrusion Response System
USA	7584262	1-SEP-09	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies
USA	7593715	22-SEP-09	System And Method For Detecting Activity On A Frequency Band
USA	7596388	29-SEP-09	Secortized Wireless Communication Network Operating Under 802.11 Specifications
USA	7596518	29-SEP-09	Method And System For Generation A Real Time Bill Of Materials And Evaluating Network Performance
USA	7599292	6-OCT-09	Method And Apparatus For Providing Quality Of Service Across A Switched Backplane Between Egress And Ingress Queue Man
USA	D601551	6-OCT-09	Wired/Wireless Access Point
USA	7602721	13-OCT-09	Methods And Systems For Fine Grain Bandwidth Allocation In A Switched Network Element
USA	7606240	20-OCT-09	Ethernet Automatic Protection Switching

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USA	7606249	20-OCT-09	Methods And Systems For Caching Packets To Be Written To Or Read From Packet Memory
USA	7606263	20-OCT-09	Packet Parser
USA	7606938	20-OCT-09	Verified Device Locations In A Data Network
USA	7611292	3-NOV-09	Optical Interface Identification System
USA	7613150	3-NOV-09	Hitless Restart Mechanism For Non-Stop Data-Forwarding In The Event Of L3- Mobility Control-Plane Failure Wireless Switch
USA	7613209	3-NOV-09	System And Method For Egress Packet Marking
USA	7619971	17-NOV-09	Methods, Systems, And Computer Program Products For Allocating Excess Bandwidth Of An Output Among Network Users
USA	7621497	24-NOV-09	Ceiling Mount
USA	7633974	15-DEC-09	System And Method Of Ordering The Transmission Of Data Packets In A Radio System
USA	7639648	29-DEC-09	Techniques For Home Wireless Switch Redundancy And Stateful Switchover In A Network Of Wireless Switches Supporting Layer 3 Mobility Within A Mobility Domain
USA	7639656	29-DEC-09	Protocol For Communication Between Access Ports And Wireless Switches
USA	7646770	12-JAN-10	Systems For Supporting Packet Processing Operations
USA	7646773	12-JAN-10	Forwarding Database In A Network Switch Device
USA	7647422	12-JAN-10	Vpn Failure Recovery
USA	7649879	19-JAN-10	Method Of Extending Default Fixed Number Of Processing Cycles In Pipelined Packet Processor Architecture
USA	7653033	26-JAN-10	Infrastructure For Wireless Lans
USA	7657619	2-FEB-10	Method And System For Maintaining A Loop-Free Topology Across Multiple Spanning Trees In A Virtual Local Area Network
USA	7657635	2-FEB-10	Method And Apparatus For Converting Network Management Protocol To Markup Language.
USA	6973622	2-FEB-10	System And Method For Design, Tracking, Measurement, Prediction, And Optimization Of Data Communication Networks
USA	7660259	9-FEB-10	Methods And Systems For Hybrid Hardware And Software-Based Media Access Control (Mac) Address Learning

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USA	7660894	9-FEB-10	Connection Pacer And Method For Performing Connection Pacing In A Network Of Servers And Clients Using Fifo Buffers
USA	7668201	23-FEB-10	Bandwidth Management In Wireless Networks
USA	7668969	23-FEB-10	Rule Structure For Performing Network Switch Functions
USA	7669230	23-FEB-10	Secure Switching System For Networks And Method For Securing Switching
USA	7672228	2-MAR-10	System And Method For Network Loop Detection And Recovery
USA	7675915	9-MAR-10	Packet Processing System Architecture And Method
USA	7676218	9-MAR-10	System And Method For Detection Of A Rogue Wireless Access Point In A Wireless Communication Network
USA	7676380	9-MAR-10	Use Of Location Awareness To Enhance Communications Functions In A Healthcare Environment
USA	7680085	16-MAR-10	Out-Of-Band Management And Traffic Monitoring For Wireless Access Points
USA	7680644	16-MAR-10	Method And System, With Component Kits For Designing Or Deploying A Communications Network Which Considers Frequency Dependent Effects
USA	7685295	23-MAR-10	Wireless Local Area Communication Network System And Method
USA	7688782	30-MAR-10	Method And System For Managing Multi-Channel Communication
USA	7689678	30-MAR-10	Method And Apparatus For Restoring The Configuration Of A Network Device
USA	7690040	30-MAR-10	Method For Network Traffic Mirroring With Data Privacy
USA	7693101	6-APR-10	Apparatus For Interfacing A Wireless Local Network And Wired Voice Telecommunication System
USA	7693158	6-APR-10	Methods And Systems For Selectively Processing Virtual Local Area Network (Vlan) Traffic From Different Networks While Allowing Flexible Vlan Identifier Assignment
USA	7706369	27-APR-10	Location Discovery In A Data Network
USA	7707044	27-APR-10	Use Of Location Awareness To Enhance Communications Functions In A Healthcare Environment
USA	7710993	4-MAY-10	Pseudo Wire Processing In A Packet Forwarding Device
USA	7711687	4-MAY-10	Method And System For Developing Input With A Building Database Manipulator
USA	7715800	11-MAY-10	System And Methods For Wireless Intrusion Detection Using Spectral Analysis
USA	7719968	18-MAY-10	Multi-Priority Multi-Color Markers For Traffic Metering

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USA	7720076	18-MAY-10	Distributed Connection-Oriented Services For Switched Communication Networks
USA	7720445	18-MAY-10	Modular Access Point
USA	7720464	18-MAY-10	System And Method For Providing Differentiated Service Levels To Wireless Devices In A Wireless Network
USA	7724669	25-MAY-10	High Speed Bus With Flow Control And Extended Burst Enhancements
USA	7724734	25-MAY-10	Methods, Systems, And Computer Program Products For Controlling Updating Of A Layer 3 Host Table Based On Packet Forwarding Lookup Miss Counts
USA	7729326	1-JUN-10	Wireless Network System With Wireless Access Ports
USA	7733899	8-JUN-10	Methods, Systems, And Computer Program Products For Rate-Based Distribution Of Layer 2 Packets For In-Line Processing
USA	7737573	15-JUN-10	Power Over Ethernet Combiner
USA	7739372	15-JUN-10	System And Method For Dynamic Network Policy Management
USA	7739402	15-JUN-10	Locating Devices In A Data Network
USA	7742456	22-JUN-10	System And Method For Locationing In A Communications Network
USA	7752338	6-JUL-10	Ring Topology Discovery
USA	7752449	6-JUL-10	System And Method For Generating A Non-Repudiatable Record Of A Data Stream
USA	7756544	13-JUL-10	Power Controlled Network Devices For Security And Power Conservation
USA	7760652	20-JUL-10	Methods And Apparatus For Improved Failure Recovery Of Intermediate Systems
USA	7760695	20-JUL-10	Methods And Systems For Centralized Cluster Management In Wireless Switch Architecture
USA	7768929	3-AUG-10	Determination Of Endpoint Device Location For Efficient Analysis Of Network Performance
USA	7773507	10-AUG-10	Automatic Tiered Services Based On Network Conditions
USA	7779476	17-AUG-10	Active Defense Against Wireless Intruders
USA	7783300	24-AUG-10	Systems And Methods For Proactively Enforcing A Wireless Free Zone
USA	7783733	24-AUG-10	Method And Apparatus For Dynamic Configuration Management
USA	7792110	7-SEP-10	Method And System For Updating A Virtual Local Area Network (Vlan) Status Of A Node In A Mesh Network

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USA	7801743	21-SEP-10	Use Of Location Awareness To Enhance Communications Functions In A Healthcare Environment
USA	7804806	28-SEP-10	Techniques For Peer Wireless Switch Discovery Within A Mobility Domain
USA	7813348	12-OCT-10	Methods, Systems, And Computer Program Products For Killing Prioritized Packets Using Time-To-Live Values To Prevent Head-of-Line Blocking
USA	7813443	12-OCT-10	Transmit Diversity Algorithm For Improved Performance In Poor Signal Conditions
USA	7814204	12-OCT-10	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies
USA	7817549	19-OCT-10	Flexible Flow-Aging Mechanism
USA	7817633	19-OCT-10	Method Of Providing Virtual Router Functionality Through Abstracted Virtual Identifiers
USA	7821931	26-OCT-10	System And Method For Assembling A Data Packet
USA	7822000	26-OCT-10	Time Division Multiplexing For Access Ports In A Wireless Network
USA	7822032	26-OCT-10	Data Structures For Supporting Packet Data Modification Operations
USA	7822033	26-OCT-10	Mac Address Detection Device For Virtual Routers
USA	7822038	26-OCT-10	Packet Processing System Architecture And Method
USA	7823199	26-OCT-10	Method And System For Detecting And Preventing Access Intrusion In A Network
USA	7826425	2-NOV-10	Method And System For Loss-Less Roaming With Wireless Bridging
USA	7826862	2-NOV-10	Method And Apparatus For Improved Locationing In A Wireless Network
USA	7826869	2-NOV-10	Mobility Relay Techniques For Reducing Layer 3 Mobility Control Traffic And Peering Sessions To Provide Scalability In Large Wireless Switch Networks
USA	7835348	16-NOV-10	Method And Apparatus For Dynamic Anomaly-Based Updates To Traffic Selection Policies In A Switch
USA	7843927	30-NOV-10	Methods, Systems, And Computer Program Products For Routing Packets At A Multi-Mode Layer3 Packet Forwarding Device
USA	7855972	21-DEC-10	Creating, Modifying And Storing Service Abstractions And Role Abstractions Representing One Or More Packet Rules
USA	7856019	21-DEC-10	Convergence Of Multicast Traffic
USA	7860006	28-DEC-10	Integrated Methods Of Performing Network Switch Functions
USA	7869346	11-JAN-11	Methods And Apparatus For Cluster Licensing In Wireless Switch Architecture

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USA	7869438	11-JAN-11	Pre-Authentication Across An 802.11 Layer-3 Ip Network
USA	7873012	18-JAN-11	Roaming Wireless Client Communication
USA	7873368	18-JAN-11	Method For Tracking Location Of A Mobile Unit
USA	7885233	8-FEB-11	Forwarding Broadcast/Multicast Data When Wireless Clients Layer 3 Roam Across Ip Subnets In A Wlan
USA	7885606	8-FEB-11	Assisted Measurement Survey Of A Wireless Communication System
USA	7889658	15-FEB-11	Method Of And System For Transferring Overhead Data Over A Serial Interface
USA	7889750	15-FEB-11	Method Of Extending Default Fixed Number Of Processing Cycles In Pipelined Packet Processor Architecture
USA	7894451	22-FEB-11	Method Of Providing Virtual Router Functionality
USA	7898977	1-MAR-11	Using Signal Characteristics To Determine The Physical Location Of Devices In A Data Network
USA	7903624	8-MAR-11	Methods And Apparatus For Simplified Setup Of Centralized Wlan Switching
USA	7903654	8-MAR-11	System And Method For Ecmp Load Sharing
USA	7903666	8-MAR-11	Method And System For Compressing Route Entries In A Route Table Based On Equal-Cost Multi-Paths (Ecmps) Matches
USA	7908431	15-MAR-11	Method Of Performing Table Lookup Operation With Table Index That Exceeds Cam Key Size
USA	7912091	22-MAR-11	Traffic Forwarding In A Traffic-Engineered Link Aggregation Group
USA	7912469	22-MAR-11	System And Method For Deployment Of A Wireless Infrastructure
USA	7916682	29-MAR-11	Wireless Switch Network Architecture Implementing Layer 3 Mobility Domains
USA	7917610	29-MAR-11	Xrnl Control Management
USA	7924733	12-APR-11	Root Cause Analysis Of Network Performance Based On Exculpation Or Inculpation Sets
USA	7933605	26-APR-11	Method And System With Component Kits For Designing Or Deploying A Communications Network Which Considers Frequency Dependent Effects
USA	7936687	3-MAY-11	Systems For Statistics Gathering And Sampling In A Packet Processing System
USA	7936764	3-MAY-11	Method For Optimizing Ip Route Table Size Through Ip Route Aggregation
USA	7936770	3-MAY-11	Method And Apparatus Of Virtual Class Of Service And Logical Queue Representation Through Network Traffic

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USA	7944942	17-MAY-11	Look Up Table (Lut) For Point-To-Point Protocol Identification (Ppp Id)
USA	7945945	17-MAY-11	System And Method For Address Block Enhanced Dynamic Network Policy Management
USA	7961660	14-JUN-11	Power Saving Function For Wireless Lans: Methods, System, And Program Products
USA	7961673	14-JUN-11	System And Method For Clustering Wireless Devices In A Wireless Network
USA	7961690	14-JUN-11	Wireless Switch Network Architecture Implementing Mobility Areas Within A Mobility Domain
USA	7961725	14-JUN-11	Enterprise Network Architecture For Implementing A Virtual Private Network For Wireless Users By Mapping Wireless Lans To Ip Tunnels
USA	7966008	21-JUN-11	Use Of Location Awareness To Control Radio Frequency Interference In A Healthcare Environment
USA	7966010	21-JUN-11	Method And System For Tuning And Self-Monitoring Of Wireless Networks
USA	7970013	28-JUN-11	Systems And Methods For Wireless Network Content Filtering
USA	7971251	28-JUN-11	Systems And Methods For Wireless Security Using Distributed Collaboration Of Wireless Clients
USA	7978614	12-JUL-11	Techniques For Detecting Non-Receipt Of Fault Detection Protocol Packets
USA	7983192	19-JUL-11	Method, Apparatus and System For A Stackable Ethernet Switch
USA	7990850	2-AUG-11	Redundant Ethernet Automatic Protection Switching Access To Virtual Private Lan Services
USA	7991143	2-AUG-11	Rapid Response To User Input At A Telecommunications Terminal
USA	8000344	16-AUG-11	Methods, Systems, And Computer Program Products For Transmitting And Receiving Layer 2 Frames Associated With Different Virtual Local Area Networks (VLANs) Over a Secure Layer 2 Broadcast Transport Network
USA	8019352	13-SEP-11	System, Method And Apparatus For Determining And Using The Position Of Wireless Devices Or Infrastructure For Wireless Network Enhancements
USA	8023515	20-SEP-11	Distributed Connection-Oriented Services For Switched Communication Networks
USA	8023521	20-SEP-11	Methods And Apparatus For Differentiated Services Over A Packet-Based Network
USA	8027248	27-SEP-11	Access Port Adoption To Multiple Wireless Switches
USA	8027266	27-SEP-11	Optimized Rf Coverage Using Ajax And Svc
USA	8027320	27-SEP-11	Wireless Local Area Networks
USA	8033149	11-OCT-11	Method And System For Collecting Locationing Information In A Wireless Local Area Network

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	8036161	11-OCT-11	Wireless Switch With Virtual Wireless Switch Modules
USA	8040890	18-OCT-11	Apparatus And Method For A Virtual Hierarchical Local Area Network
USA	8047383	1-NOV-11	Rackmount System Including Conversion Rail
USA	8050240	1-NOV-11	Multiple Wireless Local Area Networks Occupying Overlapping Physical Spaces
USA	8050939	1-NOV-11	Methods And Systems For Use In The Provision Of Services In An Institutional Setting Such As A Healthcare Facility
USA	8055800	8-NOV-11	Enforcing Host Routing Settings On A Network Device
USA	8059658	15-NOV-11	Method And System For Automatic Expansion And Contraction Of Ip Host Forwarding Database
USA	8060939	15-NOV-11	Method And System For Securing Wireless Local Area Networks
USA	8072887	6-DEC-11	Methods, Systems, And Computer Program Products For Controlling Enqueuing Of Packets In An Aggregated Queue Including
USA	8085779	27-DEC-11	Systems For Supporting Packet Processing Operations
USA	8086232	27-DEC-11	Time Synchronized Wireless Method And Operations
USA	8107383	31-JAN-12	Reducing Traffic Loss In An Eaps System
USA	8111676	7-FEB-12	Lossless Roaming Via Bridging Between Access Ports
USA	8117336	14-FEB-12	Methods, Systems, And Computer Program Products For Providing Accidental Stack Join Protection
USA	8117657	14-FEB-12	Detection And Mitigation Of Rapidly Propagating Threats From P2p, Irc And Gaming
USA	8121102	21-FEB-12	Methods And Apparatus For Recovering From Misconfiguration In A Wlan
USA	8130656	6-MAR-12	Method And Device For Routing Mesh Network Traffic
USA	8134985	13-MAR-12	System And Method For Wlan Multi-Channel Redundancy For Voip Optimization
USA	8134987	13-MAR-12	Methods And Apparatus For Split Policy Enforcement In Wireless Networks
USA	8135007	13-MAR-12	Method And System For Redirecting Of Packets To An Intrusion Prevention Service In A Network Switch
USA	8139543	20-MAR-12	Coverage-Hole Detection And Self Healing
USA	8139583	20-MAR-12	Command Selection In A Packet Forwarding Device
USA	8149796	3-APR-12	Voice And Data Wireless Communications Network And Method

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USA	8155011	10-APR-12	Techniques For Using Dual Memory Structures For Processing Failure Detection Protocol Packets
USA	8159936	17-APR-12	Network Convergence In Response To A Topology Change
USA	8160074	17-APR-12	Optimal Reading Of Forwarding Database From Hardware
USA	8160228	17-APR-12	Private-Branch Exchange That Provides Incoming Calling Extended To An Off-Premises Terminal In The Presence Of A Third-Party Application
USA	8161270	17-APR-12	Packet Data Modification Processor
USA	8166151	24-APR-12	Method And Apparatus For Determining A Spanning Tree
USA	8170050	1-MAY-12	Self-Assignment Of Detectors And Workers Among Access Devices In A Wireless Network Environment
USA	8170611	1-MAY-12	Internal Accessory Antenna System And Method For Wireless Network
USA	8171539	1-MAY-12	Methods And Apparatus For Implementing A Search Tree
USA	8174980	8-MAY-12	Methods, Systems, And Computer Readable Media For Dynamically Rate Limiting Slowpath Processing Of Exception Packets
USA	8180650	15-MAY-12	Use Of Location Awareness To Request Assistance For A Medical Event Occurring In A Healthcare Environment
USA	8184610	22-MAY-12	Method For Adaptive Beaconsing
USA	8185121	22-MAY-12	Optimization Of Displayed Rf Coverage
USA	8189542	29-MAY-12	Voice And Data Wireless Communications Network And Method
USA	8189547	29-MAY-12	Self-Configuration Of Wireless Access Devices In A Wireless Network Environment
USA	8191107	29-MAY-12	System And Method For Lost Contact Response
USA	8204039	19-JUN-12	System And Method For Data Communications In A Wireless Network
USA	8204070	19-JUN-12	Backplane Device For Non-Blocking Stackable Switches
USA	8205244	19-JUN-12	Systems And Methods For Generating, Managing, And Displaying Alarms For Wireless Network Monitoring
USA	8208418	26-JUN-12	Methods, Systems, And Computer Readable Media For Conserving Multicast Port List Resources In An Internet Protocol (Iip) Packet Forwarding Device
USA	8223657	17-JUL-12	Modifying System Clocks Based On Particular Wlan Channel That Is Selected To Improve Rf Sensitivity Of A Radio Module
USA	8223732	17-JUL-12	Method And Apparatus For Balancing Load Across Access Devices In A Wireless Network

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USA	8225124	17-JUL-12	Method And System For Determining Power Over Ethernet Class Capabilities
USA	8233474	31-JUL-12	Communication Of Location Information For An Ip Telephony Communication Device
USA	8239960	7-AUG-12	Method For Network Traffic Mirroring With Data Privacy
USA	8249105	21-AUG-12	Method For Aggregating Frames In A Wireless Communication Network
USA	8255996	28-AUG-12	Network Threat Detection And Mitigation
USA	8259920	4-SEP-12	Call Extension In Telecommunications Systems
USA	8274974	25-SEP-12	Method And Apparatus For Providing Quality Of Service Across A Switched Backplane For Multicast Packets
USA	8279874	2-OCT-12	Self-Configuring Network
USA	8281134	2-OCT-12	Methods And Apparatus For Layer 2 And Layer 3 Security Between Wireless Termination Points
USA	8281392	2-OCT-12	Methods And Systems For Wired Equivalent Privacy And Wi-Fi Protected Access Protection
USA	8290499	16-OCT-12	Method And System To Model Frequency Dependent Effects Of A Communications Network
USA	8295188	23-OCT-12	Voip SECURITY
USA	8300618	30-OCT-12	User Priority Based Preemption Techniques In A Time Division Multiple Access Multi-Hop Ad Hoc Network
USA	8320321	27-NOV-12	Optimizing Positions Of Time Slots In A Hybrid Time Division Multiple Access (Tdma)-Carrier Sense Multiple Access (Csm) Medium Access Control (Mac) For Multi-Hop Ad Hoc Networks
USA	8321545	27-NOV-12	Service Orientated Platform Architecture For A Wireless Network
USA	8331373	11-DEC-12	Methods, Systems, And Computer Readable Media For Automatically Selecting Between Internet Protocol Switching Modes On
USA	8347375	1-JAN-13	System And Method For Dynamic Distribution Of Intrusion Signatures
USA	8352604	8-JAN-13	Distributed Propagation Of Data In A Wireless Communication Network
USA	8369344	5-FEB-13	Customer Isolation Using A Common Forwarding Database With Hardware Learning Support
USA	8391169	5-MAR-13	Methods And Apparatus For Locating A Mobile Device In A Sleep Mode
USA	8391256	5-MAR-13	A Rf Port For Multiple Wireless Local Area Networks
USA	8392990	5-MAR-13	Mitigating Excessive Operations Attacks

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
			In A Wireless Communication Network
USA	8395996	12-MAR-13	Techniques For Processing Incoming Failure Detection Protocol Packets
USA	8411700	2-APR-13	Dlp-Based Wireless Docking For Wifi-Based Endpoints With Desktop
USA	8412838	2-APR-13	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies
USA	8417302	9-APR-13	Modular Access Point
USA	8437359	7-MAY-13	Pseudo Wire Processing In A Packet Forwarding Device
USA	8442030	14-MAY-13	Software Control Plane For Switches And Routers
USA	8442202	14-MAY-13	Private-Branch Exchange That Provides Outgoing Calling For An Off-Premises Terminal In The Presence Of A Third-Party Application
USA	8451735	28-MAY-13	Systems And Methods For Dynamic Load Balancing In A Wireless Network
USA	8462794	11-JUN-13	Distributed Connection-Oriented Services For Switched Communication Networks
USA	8464093	11-JUN-13	Memory Array Error Correction
USA	8464312	11-JUN-13	Integrated Network Policy Enforcement
USA	8479279	2-JUL-13	Security Policy Enforcement For Mobile Devices Connecting To A Virtual Private Network Gateway
USA	8483044	9-JUL-13	Systems, Methods, And Media For Identifying Degraded Video Call Links
USA	8493977	23-JUL-13	Detection Of An Unauthorized Access Point In A Wireless Communication Network
USA	8498278	30-JUL-13	A System For Multiple Wireless Local Area Networks
USA	8499093	30-JUL-13	Methods, Systems, And Computer Readable Media For Stateless Load Balancing Of Network Traffic Flows
USA	8503336	6-AUG-13	System And Method For Design, Tracking, Measurement, Prediction, And Optimization Of Data Communication Networks
USA	8509236	13-AUG-13	Techniques For Selecting Paths And/Or Trunk Ports For Forwarding Traffic Flows
USA	8516567	20-AUG-13	Distributed Firewalling In A Wireless Communication Network
USA	8520507	27-AUG-13	Ethernet Automatic Protection Switching.
USA	8549634	1-OCT-13	Method And Apparatus For Detecting A Rogue Access Point In A Communication Network
USA	8553603	8-OCT-13	Client Bridge Between Wired And Wireless Communication Networks

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USA	8560693	15-OCT-13	Method Of And System For Allocating Resources To Resource Requests Based On Application Of Persistence Policies
USA	8576717	5-NOV-13	System And Method For Detecting Rogue Traffic Using Flow Statistics With A List Of Authorized Engines
USA	8583833	12-NOV-13	Ring Topology Discovery
USA	8588146	19-NOV-13	Method And Apparatus For Channel Selection In A Wireless Communication System
USA	8594064	26-NOV-13	Mode Steering In A Wireless Communication Network
USA	8605726	10-DEC-13	Methods, Systems, And Computer Readable Media For Next Hop Scaling With Link Aggregation
USA	8605732	10-DEC-13	Method Of Providing Virtual Router Functionality
USA	8612752	17-DEC-13	Communicating A Packet From A Mesh- Enabled Access Point To A Mesh Portal In A Multi-Hop Mesh Network
USA	8615008	24-DEC-13	Duplicating Network Traffic Through Transparent Vlan Flooding
USA	8615785	24-DEC-13	Network Threat Detection And Mitigation
USA	8619956	31-DEC-13	Private-Branch Exchange That Provides Call Bridging To An Off-Premises Terminal In The Presence Of A Third-Party Application
USA	8625468	7-JAN-14	Systems And Methods For Granting Feature Control Based On User Location
USA	8634417	21-JAN-14	Method And Apparatus Providing Selective Flow Redistribution Across Multi Link Trunk/Link Aggregation Group (MIL/Lag) After Port Member Failure And Recovery
USA	8659993	25-FEB-14	Methods, Systems, And Computer Readable Media For Stateless Load Balancing Of Network Traffic Flows
USA	8660061	25-FEB-14	Voice And Data Wireless Communications Network And Method
USA	8660118	25-FEB-14	Methods, Systems, And Computer Readable Media For Next Hop Scaling
USA	8675522	18-MAR-14	Conveying The Vlan/12 Vsn/Bridging-Domain Of The Incoming Interface (Hf) When Transporting Multicast Traffic Over A Shortest Path Bridged (Spb) Network
USA	8675658	18-MAR-14	Using Multiple Icmp Queries In A Layer 2 Network
USA	8687610	1-APR-14	Infrastructure For Wireless Lans
USA	8693335	8-APR-14	Method And Apparatus For Control Plane Cpu Overload Protection
USA	8694624	8-APR-14	Systems And Methods For Concurrent Wireless Local Area Network Access And Sensing
USA	8694789	8-APR-14	System And Method For Generating A Non-Repudiatable Record Of A Data Stream

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USA	8699392	15-APR-14	Method And Apparatus For Conserving Access Point Power Usage During Low Network Usage Intervals
USA	8699473	15-APR-14	A Cell Controller Fro Multiple Wireless Local Area Networks
USA	8699474	15-APR-14	System With A Cell Controller Adapted To Perform A Management Function
USA	8705532	22-APR-14	Methods, Systems, And Computer Program Products For Selective Layer 2 Port Blocking Using Layer 2 Source Addresses
USA	8705967	22-APR-14	Serially Distributed Access Point In A Communication Network
USA	8707432	22-APR-14	Method And System For Detecting And Preventing Access Intrusion In A Network
USA	8724638	13-MAY-14	Methods And Systems For Selectively Processing Virtual Local Area Network (Vlan) Traffic From Different Networks While Allowing Flexible Vlan Identifier Assignment
USA	8730793	20-MAY-14	Method And Apparatus Providing Network Redundancy And High Availability To Remote Network Nodes
USA	8730963	20-MAY-14	Methods, Systems, And Computer Readable Media For Improved Multi-Switch Link Aggregation Group (Mlag)Convergence
USA	8743875	3-JUN-14	Extension Of The Interpretation And Definition Of The Is-Is Tlv/Sub-Tlv
USA	8750122	10-JUN-14	Method And Apparatus For Layer 2 Loop Prevention In A Multi-Node Switch Cluster
USA	8750299	10-JUN-14	Multicast Tree Discovery Using 802.1ag
USA	8751647	10-JUN-14	Method And Apparatus For Network Login Authorization
USA	8751649	10-JUN-14	Port Management System
USA	8755274	17-JUN-14	Adaptive Data Rate Limiter In A Wireless Communication Device
USA	8755383	17-JUN-14	Usage Of Masked Ethernet Addresses Between Transparent Interconnect Of Lots Of Links (Trill) Routing Bridges
USA	8756690	17-JUN-14	Extensible Authentication Protocol Attack Detection Systems And Methods
USA	8760275	24-JUN-14	Obstacle Warning System And Method
USA	8767549	1-JUL-14	Integrated Methods Of Performing Network Switch Functions
USA	8771009	8-JUL-14	3 X 8 STACKED RJ45 CONNECTOR WITH INTEGRATED LEDS OPTION FOR 1U PRODUCT FORM FACTOR
USA	8775571	8-JUL-14	Methods, Systems, And Computer Program Products For Dynamic Network Access Device Port And User Device Configuration F

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	8787377	22-JUL-14	Usage Of Masked Bmac Addresses In A Provider Backbone Bridged (Pbb) Network
USA	8797849	5-AUG-14	Redundant Ethernet Automatic Protection Switching Access To Virtual Private Lan Services
USA	8798000	5-AUG-14	Managing Wireless Wide Area Network Bandwidth Bandwidth Constrains In A Communication Network
USA	8798034	5-AUG-14	System And Method For Selecting A Route Based On Link Metrics Incorporating Channel Bandwidth, Spatial Streams And/Or Guard Interval In A Multiple-Input Multiple-Output (Mimo) Network
USA	8798066	5-AUG-14	Method For Ipv6 Longest Prefix Match
USA	8804507	12-AUG-14	Method And Apparatus For Temporal-Based Flow Distribution Across Multiple Packet Processors
USA	8804722	12-AUG-14	Method And Apparatus For Routing Multicast Data Across Multiple Multicast Routing Domains Connected By A Shortest Path Bridging (Spb) Network
USA	8811295	19-AUG-14	Methods And Apparatus For Priority- Based Adoption Of An Access Device
USA	8811361	19-AUG-14	Hybrid Broadcast Packet Replication For Virtual Local Area Networks
USA	8817782	26-AUG-14	Method To Route Multicast Data In Spb Network By Establishing The Virtual Pim Adjacency Across The Spb Networks In A Single Pim Domain
USA	8819213	26-AUG-14	System, Method And Apparatus For Traffic Mirror Setup, Service And Security In Communication Networks
USA	8824293	2-SEP-14	Implementation Of A Gos Processing Filter To Manage Upstream Over-Subscription
USA	8826413	2-SEP-14	Wireless Local Area Network Infrastructure Devices Having Improved Firewall Features
USA	8830998	9-SEP-14	Separation Of Edge And Routing/Control Information For Multicast Over Shortest Path Bridging
USA	8842651	23-SEP-14	Access Point Groupings Bridging Tunneled Traffic For A Communication Network
USA	8842684	23-SEP-14	Forwarding Inter-Switch Connection (Isc) Frames In A Network-To-Network Interconnect Topology
USA	8848707	30-SEP-14	Method For Ip Longest Prefix Match Using Prefix Length Sorting
USA	8855124	7-OCT-14	Forwarding Inter-Switch Connection (Isc) Frames In A Network-To-Network Interconnect Topology
USA	8861334	14-OCT-14	Method And Apparatus For Lossless Link Recovery Between Two Devices Interconnected Via Multi Link Trunk/Link Aggregation Group (Ml/Lag)
USA	8867342	21-OCT-14	Adaptive Standby Access In A Local Area Communication Network
USA	8867350	21-OCT-14	Method And Apparatus For Packet Buffering Measurement
USA	8867360	21-OCT-14	Method And Apparatus For Lossless Behavior For Multiple Ports Sharing A Buffer Pool

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	8873403	28-OCT-14	System And Method For Automatic Dscp Tracing For Xoip Elements
USA	8879707	4-NOV-14	Private Branch Exchange That Manages Interactions Between Associated Telecommunications Terminals
USA	8891533	18-NOV-14	Methods, Systems, And Apparatuses For Dynamically Tagging Vlans
USA	8917602	23-DEC-14	System And Method For Detecting Rogue Traffic Using Flow Statistics With A List Of Authorized Engines
USA	8918847	23-DEC-14	Layer 7 Authentication Using Layer 2 Or Layer 3 Authentication
USA	8923133	30-DEC-14	Detection Of Unauthorized Changes To An Address Resolution Protocol Cache In A Communication Network
USA	8924694	30-DEC-14	Packet Data Modification Processor
USA	8929370	6-JAN-15	Mechanism For Efficiently Transmitting Tunnel Keep-Alive Messages
USA	8929528	6-JAN-15	Method And System For Enhancing Collaboration
USA	8929803	6-JAN-15	Radio Frequency Barrier In A Wireless Communication Network
USA	8934501	13-JAN-15	Bidirectional Translation Of Network Edge Virtualization Encapsulation To Core Network Virtualization Encapsulation
USA	8934867	13-JAN-15	On-Demand Access Tunnel Between Service Provider Network And Wireless Communication Network
USA	8949385	3-FEB-15	Method And Apparatus For Resolving Conflicting Unicast Advertisements In A Transport Network
USA	8965326	24-FEB-15	Determination By Psaps Of Caller Location Based On The Wifi Hot Spots Detected And Reported By The Caller's Device(S)
USA	8972589	3-MAR-15	Location-Based Access Control In A Da Ta Network
USA	9003205	7-APR-15	Method To Lower The Operating Cost Of Wireless Network By Enforcing Low Power Infrastructure Operation
USA	9008091	14-APR-15	Methods, Systems, And Computer Readable Media For Improved Multicast Scaling Through Policy Based Redirection
USA	9008689	14-APR-15	Dynamic Guidance To A Target Conversation Area With A Communication Device
USA	9009585	14-APR-15	Software Wizard Interface
USA	9019964	28-APR-15	Methods And Systems For Routing Application Traffic
USA	9021569	28-APR-15	Wireless Guest Access
USA	9053624	9-JUN-15	System And Method For Tracking In Multi-Story Buildings

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9065497	23-JUN-15	Context Aware Multiple-Input And Multiple-Output Antenna Systems And Methods
USA	9077550	7-JUL-15	Method And Apparatus For Performing Multicast Backbone Media Access Channel (Bmac) Header Transformations
USA	9083563	14-JUL-15	Method For Reducing Processing Latency In A Multi-Thread Packet Processor With At Least One Re-Order Queue
USA	9086950	21-JUL-15	Method For Heap Management
USA	9088506	21-JUL-15	System And Method For Data Stream Mirroring
USA	9088837	21-JUL-15	Serially-Distributed Devices In A Communication Network
USA	9094318	28-JUL-15	Remote Mirroring
USA	9094889	28-JUL-15	Method And System To Manage Mobile Data Network Usage For Voip Calls
USA	9106556	11-AUG-15	Method To Achieve The Use Of An External Metric As The Primary Tie-Breaker In Intermediate System To Intermediate System (Isis) Route Selections
USA	9106556	11-AUG-15	Method To Achieve The Use Of An External Metric As The Primary Tie-Breaker In Intermediate System To Intermediate System (Isis) Route Selections
USA	9112780	18-AUG-15	Techniques For Processing Incoming Failure Detection Protocol Packets
USA	9116660	25-AUG-15	Midplane For Orthogonal Direct Connection
USA	(13/842475)		
USA	9124516	1-SEP-15	Method And Apparatus Providing Split Multi Link Trunk (Smllt) For Advanced Technology Attachment (Aia) Over Ethernet
USA	9130826	8-SEP-15	System And Related Method For Network Monitoring And Control Based On Applications
USA	9137101	15-SEP-15	Multi-Layer Network Diagnostic Tracing
USA	9137155	15-SEP-15	Network Virtualization In Access Networks
USA	9143437	22-SEP-15	Apparatus And Method For Multicast Data Packet Forwarding
USA	(13/842382)		
USA	9143602	22-SEP-15	Methods And Systems To Ensure That The User Of A Touch Or Keypad Operated Device Within A Moving Vehicle Must Use Two Hands For Device Operation
USA	9152423	6-OCT-15	Method And Apparatus For Efficient Loop Instruction Execution Using Bit Vector Scanning

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9154372	6-OCT-15	Editing A Portable, Dynamic And Abstract View Definition Of A Network Object Database
USA	9154409	6-OCT-15	Method For Debugging Private Vlan
USA	9164771	20-OCT-15	Method For Thread Reduction In A Multi-Thread Packet Processor
USA	9166884 (11/932780)	20-OCT-15	Network Location Service
USA	9172627	27-OCT-15	Device And Related Method For Dynamic Traffic Mirroring
USA	9178710	3-NOV-15	Selective Multicast
USA	9189317 (13/050808)	17-NOV-15	Software Sustaining System
USA	9191233	17-NOV-15	Message Transmission In Networks
USA	9191314	17-NOV-15	In-Band Management Using 12 Addresses Over B-Vlan In An Spbm Network
USA	9198034	24-NOV-15	Validating Presence Of A Communication Device Using A Wireless Local Area Network
USA	9225627	29-DEC-15	Redistributing Routes In Backbone Edge Bridge Multi-Chassis Link Aggregation Group Topologies Between Two Routing Protocols
USA	9225699	29-DEC-15	Security Key Generation In Link Aggregation Group Topologies
USA	9230213	5-JAN-16	Device And Related Method For Scoring Applications Running On A Network
USA	9256636	9-FEB-16	Device And Related Method For Application Identification
USA	9258214	9-FEB-16	Optimized Distributed Routing For Stretched Data Center Models Through Updating Route Advertisements Based On Changes To Address Resolution Protocol (Arp) Tables
USA	9258222	9-FEB-16	Implementing A Shortest Path Bridging (Spb) Network Using A Virtual Routing And Forwarding (Vrf) Identifier
USA	9264974	16-FEB-16	Mobility Integration With Fabric Enabled Network
USA	9270533	23-FEB-16	Fast Network Discovery Using Snmp Multi-Cast
USA	9270574	23-FEB-16	Method And Apparatus Providing Delayed Path Calculations Based On Service Type
USA	9270586	23-FEB-16	Method For Abstracting Datapath Hardware Elements
USA	9282489	8-MAR-16	Media Escalation With Use Of Endpoint Adapter

<u>Jurisdiction</u>	<u>Patent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9294367	22-MAR-16	Duplicating Network Traffic Through Transparent Vlan Flooding
USA	9294920	22-MAR-16	Captive Portal Systems, Methods, And Devices
USA	9300540	29-MAR-16	Multicast Network Diagnostics
USA	9338066	10-MAY-16	Tunnel Keep-Alive Timeout Mechanism Based On Quality Of Service (Qos) Value Ofreceived Keep-Alive Messages
USA	9338303	10-MAY-16	Wireless Enterprise Congestion Management
USA	9344527	17-MAY-16	System And Method For Network Migration
USA	9351140	24-MAY-16	Special Handling Of Certain Types Of Communications
USA	9355240	31-MAY-16	Multi-Device Single Network Sign-On
USA	9357484	31-MAY-16	Elastic Wireless Control Plane
USA	9374295	21-JUN-16	Method To Achieve The Use Of An External Metric As The Primary Tie-Breaker In Intermediate System To Intermediate System (Istis) Route Selections
USA	9385942 (14/266784)	5-JUL-16	METHODS, SYSTEMS, AND COMPUTER READABLE MEDIA FOR PROVIDING N-NODE MULTI-SWITCH LINK AGGREGATION GROUPS (Mlags)
USA	9391803 (14/546688)	17-NOV-15	Connection State-Based Long Term Evolution Steering Of Roaming
USA	9252548 (14/325373)	2-FEB-16	High Density Networking Component For In Product Form Factor And Associated Rack System
USA	9407455	2-AUG-16	Redundant Ethernet Automatic Protection Switching Access To Virtual Private Lan Services
USA	9413637	9-AUG-16	An Architecture For Virtualization And Distribution Of Routing Information Used In A Transport Network
USA	9424276	23-AUG-16	Efficient State Change Support For Hierarchical Data Models In A Virtualized System
USA	9438509	6-SEP-16	Default Gateway Redundancy Support Across Spb Networks
USA	9438524	6-SEP-16	System And Method For Verifying Multiprotocol Label Switching Contracts
USA	9451056	20-SEP-16	Method For Mapping Packets To Network Virtualization Instances

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9455934 (14/508517)	27-SEP-16	Forwarding Inter-Switch Connection (Isc) Frames In A Network-To-Network Interconnect Topology
USA	9461842	4-OCT-16	Network Service Type And Mode Advertisement
USA	9467302	11-OCT-16	Quality Of Service Aware Hybrid Multicast Networks
USA	9467366	11-OCT-16	Method And Apparatus Providing Single-Tier Routing In A Shortest Path Bridging (Spb) Network
USA	9479415	25-OCT-16	Duplicating Network Traffic Through Transparent Vlan Flooding
USA	9514091	6-DEC-16	Ability To Add LACP (Link Aggregation Control Protocol) Support To Spbm By Using Uni Configuration Digests
USA	9515924	6-DEC-16	Method And Apparatus Providing Single-Tier Routing In A Shortest Path Bridging (Spb) Network
USA	9525486 (14/647273)	20-DEC-16	Visible Light Communications Personal Area Network Controller And Access Point Systems And Methods
USA	9525624	20-DEC-16	Virtual Router Redundancy Protocol For Scalable Distributed Default Routing Gateway
USA	9531591	27-DEC-16	Configuration Of Networks Using Switch Device Access Of Remote Server
USA	9537669	3-JAN-17	Selective Multicast
USA	9549385	17-JAN-17	Configuration Of Networks Using Client Device Access Of Remote Server
USA	9553802	24-JAN-17	Layer 2 Vpn Service Advertisement From Access Nodes To A Core Network
USA	9565138	7-FEB-17	Rule Based Data Network Traffic Interception And Distribution Scheme
USA	9576270 (13/465576)	21-FEB-17	A System And Related Method For Management Of Devices Of A Network System Via Social Media Interfaces
USA	9584333	28-FEB-17	Optimization Of Rules Used For Prevention Of Duplication And Looping Of Multicast Traffic Within A Multi-Homed Cluster Of Backbone Edge Bridges In A Shortest Path Bridging Multicast Network
USA	9584393 (13/835679)	28-FEB-17	A Device And Related Method For Dynamic Traffic Mirroring Policy
USA	9608841 (12/950304)	28-MAR-17	Method For Real-Time Synchronization Of Arp Record In Rsmnt Cluster

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9614752	4-APR-17	Multi-Threaded Multi-Path Processing
USA	9621464	11-APR-17	Multi Cast Spray Over Lag
USA	9632995 (10/717838)	25-APR-17	Method And Apparatus For Navigating Through A Task On A Computer
USA	9640990	2-MAY-17	Ac-Power Over Ethernet
USA	9640998	2-MAY-17	Ac Power Of Ethernet
USA	9641628	2-MAY-17	Host Discovery And Attach
USA	9648479	9-MAY-17	Determination By Psaps Of Caller Location Based On The Wifi Hot Spots Detected And Reported By The Caller's Device(S)
USA	9648542	9-MAY-17	Session-Based Packet Routing For Facilitating Analytics
USA	9680882	13-JUN-17	Automatic Configuration Of Endpoint Communication Devices To Set Up A Voip Network
USA	9692677	27-JUN-17	Implementing Multicast Link Trace Connectivity Fault Management In An Ethernet Network
USA	9705826 (14/501306)	11-JUL-17	L2 Redirection In Multi-Chassis Lag Environments
USA	9706426 (14/647176)	11-JUL-17	Systems And Methods For Visible Light Communications Personal Area Network And Wireless Local Area Network Interworking
USA	9712393 (14/054821)	18-JUL-17	Network Loop Prevention
USA	9716615 (13/864091)	25-JUL-17	Apparatus And Method For Network Ring Resiliency, Availability And Performance
USA	9729346 (13/539216)	8-AUG-17	Method For Layer 2 Forwarding In A Multi-Node Switch Cluster
USA	9742588 (14/226805)	22-AUG-17	Methods And Systems For Selectively Processing Virtual Local Area Network (Vlan) Traffic From Different Networks While Allowing Flexible Vlan Identifier Assignment

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9749959 (12/834336)	29-AUG-17	Power Controlled Network Devices For Security And Power Conservation
USA	9755845 (14/550237)	5-SEP-17	Protocol-Independent Multicast (Pim) Snooping For A Shortest Path Bridging Multi Cast (Spbm) Network
USA	9762403 (14/549930)	12-SEP-17	Shortest Path Bridging (Spb) - Protocol-Independent Multicast (Pim) Interactions On A Backbone Edge Bridge (Beb) Acting As A Multicast Boundary Router Interfacing With A Pim Network
USA	9779222 (14/750305)	3-OCT-17	Secure Management Of Host Connections
USA	9787502	10-OCT-17	Captive Portal Systems, Methods, And Devices
USA	9806811 (15/354350)	31-OCT-17	Visible Light Communications Personal Area Network Controller And Access Point Systems And Methods
USA	9806945 (13/924570)	31-OCT-17	Mdms Support In Unified Access Networks
USA	9806989 (13/905764)	31-OCT-17	Layer 3 (L3) Best Route Selection Rule For Shortest Path Bridging Multicast (SPBM) Networks
USA	9806998 (14/298011)	31-OCT-17	Method Of Reducing Traffic Loss When Bringing Up A Switch Within A Multi Chassis Switch Cluster Without Using Dedicated Intra Cluster Links
USA	9813257 (12/907535)	7-NOV-17	Access Network Dual Path Connectivity
USA	9813291 (15/407166)	7-NOV-17	Configuration Of Networks Using Client Device Access Of Remote Server
USA	9813447 (13/836048)	7-NOV-17	Policy Based Network Based Application Identification System

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9819745 (14/794989)	14-NOV-17	System And Method For Prevention Of Denial Of Service Attacks For Hosted Network Address Translator
USA	9823942 (13/763603)	21-NOV-17	Virtual Machine Discovery And Identification
USA	9832108 (13/303347)	28-NOV-17	Fast Designated Router Transitions In Broadcast Networks For Link State Protocols
USA	9832124 (15/252910)	28-NOV-17	Method And Apparatus Providing Single-Tier Routing In A Shortest Path Bridging (SPB) Network
USA	9838493 (13/591105)	5-DEC-17	Dynamic Routing Of Authentication Requests
USA	9860081 (13/920218)	2-JAN-18	General User Network Interface (UNI) Multi-Homing Techniques For Shortest Path Bridging (SPB) Networks
USA	9860138 (14/784020)	2-JAN-18	Bandwith On Demand In Sdn Networks
USA	9866478 (15/848677)	9-JAN-18	Techniques For User-Defined Tagging Of Traffic In A Network Visibility System
USA	9875275 (15/243273)	23-JAN-18	Efficient State Change Support For Hierarchical Data Models In A Virtualized System
USA	9882788 (15/265736)	30-JAN-18	Providing Network Services Based On Service Mode And Service Type
USA	9882838 (15/242633)	30-JAN-18	Forwarding Inter-Switch Connection (Isc) Frames In A Network-To-Network Interconnect Topology
USA	9942330 (14/254465)	10-APR-18	Session Manager Anti-Looping

<u>Jurisdiction</u>	<u>Parent No. (Application No.)</u>	<u>Issue Date</u>	<u>Title</u>
USA	9954750 (14/744294)	24-APR-18	Debugging Auto-Attach Entities (Client And Proxy) Using Connectivity Fault Management (CFM) And Shortest Path Bridging MAC (SPBM) Cloud
USA	9954764 (14/041242/ US20150092592)	24-APR-18	Enabling Encapsulation In Networks

U.S. PATENT APPLICATIONS

<u>Jurisdiction</u>	<u>Application No.</u>	<u>File Date</u>	<u>Title</u>
USA	11/731082	30-MAR-07	Network Management Interface For A Network Element With Network-Wide Information
USA	13/077610	31-MAR-11	Method For Providing Scalable Storage Virtualization
USA	13/184142	15-JUL-11	Self-Testing Of Services In An Access Point Of A Communication Network
USA	13/241507	23-SEP-11	Connector Illumination Status
USA	13/285392	31-OCT-11	Route Lookup Resolution
USA	13/599915	30-AUG-12	Single Authentication Context For Network And Application Access
USA	13/627260	26-SEP-12	Multi-Chassis Cluster Synchronization Using Spb I-Sid Trees
USA	13/628358	27-SEP-12	Self-Adapting Driver For Controlling Datapath Hardware Elements
USA	13/906662	31-MAY-13	Dynamic Multicast State Aggregation In Transport Networks
USA	13/930308	28-JUN-13	Virtualized Host Id Key Sharing
USA	14/041342 US20150095467	30-SEP-13	Enabling Configuration In Networks
USA	14/097232	4-DEC-13	Securing Mdms In Enterprise Networks
USA	14/451851	8-MAY-14	System, Method And Apparatus For Traffic Mirror Setup, Service And Security In Communications Network

<u>Jurisdiction</u>	<u>Application No.</u>	<u>File Date</u>	<u>Title</u>
USA	14/446381	25-JUN-14	Context Aware Multiple-Input And Multiple- Output Antenna Systems And Methods
USA	14/534099	5-NOV-14	Network Discovery Optimization Using Supplemental Information Published By Devices
USA	14/565338	9-DEC-14	Method For Load Sharing Of Mpls Pseudo-Wires
USA	14/565343	9-DEC-14	Method And System For Dynamic Usage Of Multipletables For Internet Protocol Hosts
USA	14/656604	12-MAR-15	Configuration Of Networks With Server Cluster Device
USA	14/656622	12-MAR-15	Authentication Of Client Devices In Networks
USA	14/657278	13-MAR-15	Power Over Ethernet (POE) Powered Network Adapter Incorporating Open Vswitch OVS And Fabric Attach (FA) Capabilities
USA	14/690315	17-APR-15	Synchronizing Peer Nodes Of A Multi-Chassis Switching Cluster
USA	14/710533	12-MAY-15	Methods, Systems, And Computer Readable Media For Virtual Fabric Routing
USA	14/710534	12-MAY-15	Methods, Systems, And Non-Transitory Computer Readable Media For Generating A Tree Structure With Nodal Comparison Fields And Cut Values For Rapid Tree Traversal And Reduced Numbers Of Full Comparisons At Leaf Nodes
USA	14/740454	16-JUN-15	Providing Secure Networks
USA	14/805362	21-JUL-15	Network Management Interface For A Network Element With Network-Wide Information
USA	14/806738	23-JUL-15	Method Of, And Arrangement For, Enhancing Roaming Performance Of A Mobile Client That Is Roaming Between Access Points Connected To A Distribution System
USA	14/842508	1-SEP-15	System And Related Method For Network Monitoring And Control Based On Applications
USA	14/844064	3-SEP-15	Automatically Grouping, Authenticating And Provisioning Access Points Using Cloud- Based Management Of Wlan Infrastructure
USA	14/844151	3-SEP-15	Methods And Systems For Mitigating The Impact Of Beamforming On The Accuracy Of Wi-Fi Based Location Tracking Of Client Devices
USA	15/848586	9-SEP-15	Techniques For Exchanging Control And Configuration Information In A Network Visibility System
USA	15/848645	9-SEP-15	Techniques For Efficiently Programming Forwarding Rules In A Network Visibility System
USA	14/861838	22-SEP-15	Apparatus And Method For Multicast Data Packet Forwarding
USA	14/872073	30-SEP-15	Dynamic Templates For Virtualized Systems
USA	14/922481	26-OCT-15	Device And Related Method For Dynamic Traffic Mirroring

<u>Jurisdiction</u>	<u>Application No.</u>	<u>File Date</u>	<u>Title</u>
USA	14/927478	30-OCT-15	Configuration Of A Network Visibility System
USA	14/927479	30-OCT-15	Architecture For A Network Visibility System
USA	14/927482	30-OCT-15	Configuration Of Rules In A Network Visibility System
USA	14/927484	30-OCT-15	Configuration Of Load-Sharing Components Of A Network Visibility Router In A Network Visibility System
USA	14/975094	18-DEC-15	Methods, Systems, And Computer Readable Media For Advanced Distribution In A Link Aggregation Group
USA	15/010009	29-JAN-16	Automating Mirroring And Remote Switch Port Analyzer (RSPAN)/Encapsulated Remote Switch Port Analyzer (ERSPAN) Functions Using Fabric Attach (FA) Signaling
USA	15/010249	29-JAN-16	Automated Mirroring And Remote Switch Port Analyzer (RSPAN)/Encapsulated Remote Switch Port Analyzer (ERSPAN) Functions Using Fabric Attach (FA) Signaling
USA	15/040499	10-FEB-16	Captive Portal Having Dynamic Context-Based Whitelisting
USA	15/162488	23-MAY-16	Securely Onboarding Virtual Machines Using A Centralized Policy Server
USA	15/169661	31-MAY-16	Elastic Wireless Control Plane
USA	15/169663	31-MAY-16	Multi-Device Single Network Sign-On
USA	15/180,931	13-JUN-16	Methods, Systems, And Apparatuses For Dynamically Tagging Vlans
USA	15/190922	23-JUN-16	Redundant Ethernet Automatic Protection Switching Access To Virtual Private Lan Services
USA	15/205889	8-JUL-16	Software-Based Packet Broker
USA	15/206008	8-JUL-16	Traffic Deduplication In A Visibility Network
USA	15/219461	26-JUL-16	Access Point Cloud Controller Auto-Discovery
USA	15/227258	3-AUG-16	Notification Framework For Access Point Controllers
USA	15/283903	3-OCT-16	Dynamic Firewalls And Forensic Gateways
USA	15/284131	3-OCT-16	Enhanced Access Security Gateway
USA	15/336333	27-OCT-16	Offline, Intelligent Load Balancing Of Scrp Traffic
USA	15/384651	20-DEC-16	Configuration Of Networks Using Switch Device Access Of Remote Server
USA	15/397132	3-JAN-17	Selective Multicast

<u>Jurisdiction</u>	<u>Application No.</u>	<u>File Date</u>	<u>Title</u>
USA	15/398530	4-JAN-17	Overlay Ip Multicast Over Unicast Ip Networks
USA	15/410,475	19-JAN-17	System And Related Method For Management Of Devices Of A Network System Via Social Media Interfaces
USA	15/425777	6-FEB-17	Rule Based Data Network Traffic Interception And Distribution Scheme
USA	15/466732	22-MAR-17	Anomaly Detection And Prediction In A Packet Broker
USA	15/467766	23-MAR-17	Smart Expert Filter Generator
USA	15/605692	25-MAY-17	Automatic Configuration Of Endpoint Communication Devices To Set Up A Voip Network
USA	15/645253	10-JUL-17	Ingress Gateway Selection For An Spb Network To Support Inter Domain Multicast Routing
USA	15/646151	11-JUL-17	Auto Attach Signaling Used As A Wlan Selection Criterion
USA	15/660709	26-JUL-17	Method For La Yer 2 Forwarding In A Multi-Node Switch Cluster
USA	15/661932	27-JUL-17	Shortest Path Bridging (Spb) - Protocol-Independent Multicast (Pim) Interactions On A Backbone Edge Bridge (Bet) Acting As A Multicast Boundary Router Interfacing With A Pim Network
USA	15/663502	28-JUL-17	Protocol-Independent Multicast (Pim) Snooping For A Shortest Path Bridging Multi Cast (Spm) Network
USA	15/787469	18-OCT-17	Mdms Support In Unified Access Networks

U.S. TRADEMARKS

<u>Jurisdiction</u>	<u>Registration No. (Application No.)</u>	<u>Registration Date</u>	<u>Registered Owner</u>	<u>Mark</u>
US	4032543 (85081190)	9/27/2011	Extreme Networks, Inc.	AIRDEFENSE
US	2456966	6/25/2001	Extreme Networks, Inc.	BAYSTACK
US	2312393	1/25/2000	Extreme Networks, Inc.	BIGIRON
US	2281382	9/28/1999	Extreme Networks, Inc.	BLACKDIAMOND
US	2301696	12/21/1999	Extreme Networks, Inc.	CONTIVITY
US	4841944	10/27/2015	Extreme Networks, Inc.	Elogo
US	4874975	12/22/2015	Extreme Networks, Inc.	Elogo EXTREME NETWORKS Stylized
US	2243238	5/4/1999	Extreme Networks, Inc.	EXTREME NETWORKS
US	3840628	8/31/2010	Extreme Networks, Inc.	EXTREME NETWORKS (stylized)
US	2549958	3/19/2002	Extreme Networks, Inc.	EXTREMWORKS
US	3379396	2/5/2008	Extreme Networks, Inc.	EXTREMEXOS
US	3349489	12/4/2007	Extreme Networks, Inc.	IDENGINES
US	3349580	12/4/2007	Extreme Networks, Inc.	IGNITION
US	3975571	6/7/2011	Extreme Networks, Inc.	MLX
US	2174495	7/21/1998	Extreme Networks, Inc.	NETIRON
US	2388859	9/19/2000	Extreme Networks, Inc.	Purple Network Switch Design
US	3910064	1/25/2011	Extreme Networks, Inc.	Purple Network Switch Design
US	4073424	12/20/2011	Extreme Networks, Inc.	R Underscore & Design
US	3796814	6/1/2010	Extreme Networks, Inc.	REACHNXT
US	2016279 (74/610015)	11/12/1996	Extreme Networks, Inc.	SPECTRUM 24
US	4960698	5/17/2016	Extreme Networks, Inc.	STACKSTORM
US	2365696	7/11/2000	Extreme Networks, Inc.	SUMMIT
US	4057074	11/15/2011	Extreme Networks, Inc.	VCS
US	4046730	10/25/2011	Extreme Networks, Inc.	VDX
US	4068603	12/6/2011	Extreme Networks, Inc.	VDX
US	4837384	10/20/2015	Extreme Networks, Inc.	WI-FI COACH

<u>Jurisdiction</u>	<u>Registration No.</u> (Application No.)	<u>Registration Date</u>	<u>Registered Owner</u>	<u>Mark</u>
US	3261384 (76/317439)	7/10/2007	Extreme Networks, Inc.	WIRELESS NETWORKER

U.S. COPYRIGHTS

<u>Copyright</u>	<u>Registration Number</u>	<u>Registration Date</u>
Extreme Networks	TX 000-538-2121	9/6/2000
Extreme Ware EPICenter 3.1	TX 000-562-7309	7/23/2002

TRADEMARK

REEL: 006324 FRAME: 0302