

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI890334

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
Barracuda Networks, Inc.	03/14/2025

RECEIVING PARTY DATA

Company Name:	Oaktree Fund Administration, LLC, as Collateral Agent
Street Address:	333 S. Grand Avenue
Internal Address:	28th Floor
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90071

PROPERTY NUMBERS Total: 112

Property Type	Number
Patent Number:	7917756
Patent Number:	7917943
Patent Number:	7877789
Patent Number:	8725704
Patent Number:	8285997
Patent Number:	8788831
Patent Number:	9021017
Patent Number:	8726384
Patent Number:	8843612
Patent Number:	8775604
Patent Number:	8788597
Patent Number:	8838965
Patent Number:	9195668
Patent Number:	7996475
Patent Number:	8204948
Patent Number:	8463797
Patent Number:	8849836
Patent Number:	9152466
Patent Number:	8050251

PATENT

Property Type	Number
Patent Number:	8571042
Patent Number:	8559450
Patent Number:	8831030
Patent Number:	8789178
Patent Number:	7093294
Patent Number:	7254038
Patent Number:	7788291
Patent Number:	7930428
Patent Number:	7970899
Patent Number:	8069244
Patent Number:	7987267
Patent Number:	8555365
Patent Number:	8122493
Patent Number:	8219644
Patent Number:	8280895
Patent Number:	8447856
Patent Number:	8443193
Patent Number:	7688815
Patent Number:	7328247
Patent Number:	7836267
Patent Number:	7898953
Patent Number:	7974288
Patent Number:	8434140
Patent Number:	9680818
Patent Number:	9942050
Patent Number:	10171582
Patent Number:	9918346
Patent Number:	10542572
Patent Number:	10044677
Patent Number:	10439990
Patent Number:	9465598
Patent Number:	10333709
Patent Number:	8527549
Patent Number:	8977661
Patent Number:	9262643
Patent Number:	9373001
Patent Number:	10083307
Patent Number:	10860715

Property Type	Number
Patent Number:	10050795
Patent Number:	10778714
Patent Number:	11356469
Patent Number:	9755988
Patent Number:	11068569
Patent Number:	8484741
Patent Number:	9224117
Patent Number:	9881271
Patent Number:	10623441
Patent Number:	9699207
Patent Number:	9871817
Patent Number:	11645943
Patent Number:	11145221
Patent Number:	11050714
Patent Number:	11463409
Patent Number:	11074088
Patent Number:	11537412
Patent Number:	10778717
Patent Number:	11159565
Patent Number:	11563757
Patent Number:	11665195
Patent Number:	10761825
Patent Number:	11126417
Patent Number:	8042169
Patent Number:	11250130
Patent Number:	11558419
Patent Number:	11811806
Application Number:	17247356
Patent Number:	10574676
Patent Number:	10404726
Patent Number:	11025655
Patent Number:	11463460
Patent Number:	10958662
Patent Number:	11457040
Patent Number:	11134058
Patent Number:	11949656
Patent Number:	11588724
Patent Number:	11811548

Property Type	Number
Patent Number:	10834129
Application Number:	17465572
Application Number:	18098867
Patent Number:	11750647
Patent Number:	11546375
Patent Number:	11979372
Patent Number:	12008084
Patent Number:	12189480
Patent Number:	12192173
Application Number:	18371878
Application Number:	18425909
Application Number:	18425932
Application Number:	18533055
Application Number:	18534054
Application Number:	63651363
Application Number:	18375901
Application Number:	18422966

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2025218721

Email: lpTeam@CogencyGlobal.Com

Correspondent Name: Troy Jones

Address Line 1: 1025 Connecticut Ave NW, Suite 712

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	2692812 TJ
NAME OF SUBMITTER:	Troy Jones
SIGNATURE:	/Troy Jones/
DATE SIGNED:	03/17/2025

Total Attachments: 18

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GRANT OF FIRST LIEN
SECURITY INTEREST IN PATENT RIGHTS

This GRANT OF FIRST LIEN SECURITY INTEREST IN PATENT RIGHTS (this “Agreement”), dated as of March 14, 2025, is made by Barracuda Networks, Inc., a Delaware corporation (the “Grantor”), in favor of Oaktree Fund Administration, LLC, as collateral agent (in such capacity, the “Collateral Agent”) for the benefit of the Secured Parties in connection with that certain First Lien Credit Agreement, dated as of March 14, 2025, among Atlantic Guarantor Inc., a Delaware corporation (“Holdings”), Barracuda Parent, LLC, a Delaware limited liability company (the “Borrower”), the several lenders from time to time party thereto (each, a “Lender” and, collectively, the “Lenders”) and Oaktree Fund Administration, LLC, as the Administrative Agent and the Collateral Agent for the benefit of the Secured Parties (as amended, restated, supplemented or otherwise modified from time to time, the “Credit Agreement”)

WHEREAS, pursuant to the Credit Agreement, the Lenders have severally agreed to make loans to the Borrower upon the terms and subject to the conditions set forth therein;

WHEREAS, in connection with the Credit Agreement, the Grantor and any Subsidiaries that become a party thereto have executed and delivered the First Lien Security Agreement, dated as of March 14, 2025, in favor of the Collateral Agent (as amended, restated, supplemented or otherwise modified from time to time, the “Security Agreement”); and

WHEREAS, pursuant to the Security Agreement, the Grantor has granted to the Collateral Agent, for the benefit of the Secured Parties, a lien on and security interest in, all of its right, title and interest in, to and under certain Intellectual Property that is not Excluded Property.

NOW THEREFORE, in consideration of the premises and to induce the Administrative Agent, the Collateral Agent and the Lenders to enter into the Credit Agreement and to induce the Lenders to make their respective extensions of credit under the Credit Agreement, the Grantor hereby agrees with the Collateral Agent, for the benefit of the Secured Parties, as follows:

1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Credit Agreement or the Security Agreement.

2. Grant of Security Interest. The Grantor hereby grants a Security Interest in all of the Grantor’s right, title and interest in, to and under the Patents that are not Excluded Property (including, without limitation, in, to and under those items listed on Schedule A hereto), including the right to receive all Proceeds therefrom (collectively, the “Collateral”), to the Collateral Agent for the benefit of the Secured Parties as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) in full of the Obligations.

3. Purpose. This Agreement has been executed and delivered by the Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted hereby has been granted to the Collateral Agent for the benefit of the Secured Parties in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. The Security Agreement (and all rights and remedies of the Secured Parties thereunder) shall remain in full force and effect in accordance with its terms. The Grantor hereby authorizes and requests that the Commissioner for Patents of the United States Patent and Trademark Office and any other applicable government officer record this Agreement. The Grantor shall, at its sole expense, take all further actions necessary or desirable by the Collateral Agent to record and perfect its security interest in and to the Collateral.

4. Acknowledgment. The Grantor hereby further acknowledges and affirms that the rights and remedies of the Secured Parties with respect to the Security Interest in the Collateral as it relates to Patents granted hereby are more fully set forth in the Credit Agreement and the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern. In the event of any conflict between the terms of this Agreement and the terms of the Credit Agreement, the terms of the Credit Agreement shall govern.

5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original. This Agreement may be delivered by facsimile or other electronic transmission of the relevant signature pages hereof. The words "execution," "execute", "signed," "signature," and words of like import in or related to any document to be signed in connection with this Agreement and the transactions contemplated hereby shall be deemed to include electronic signatures, the electronic matching of assignment terms and contract formations on electronic platforms approved by the Administrative Agent, or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act.


6. Governing Law: THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

[Signature Pages Follow]

IN WITNESS WHEREOF. the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers duly authorized as of the day and year first above written.

BARRACUDA NETWORKS, INC.,
as a Grantor

By: _____


Name: Ellen O'Donnell

Title: Chief Legal Officer

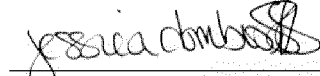
[Signature Page to Grant of First Lien Security Interest in Patent Rights]

PATENT
REEL: 070529 FRAME: 0130

OAKTREE FUND ADMINISTRATION, LLC, as the
Collateral Agent

By: Oaktree Capital Management, L.P.
Its: Managing Member

By: 
Name: Mary Gallegly
Title: Managing Director

By: 
Name: Jessica Dombroff
Title: Senior Vice President

SCHEDULE A

Patent Registrations and Applications

Grantor	Patent Number	Application Number	Title
Barracuda Networks, Inc.	7917756	11/421,748	E-MAIL STAMPING WITH FROM-HEADER VALIDATION
Barracuda Networks, Inc.	7917943	11/566,013	E-MAIL STAMPING WITH ACCREDITED ENTITY NAME
Barracuda Networks, Inc.	7877789	11/743,151	E-MAIL STAMPING WITH FROM-HEADER VALIDATION
Barracuda Networks, Inc.	8725704	13/246,834	Client-Server Transactional Pre-Archival Apparatus
Barracuda Networks, Inc.	8285997	12/408,644	BACKUP APPARATUS WITH HIGHER SECURITY AND LOWER NETWORK BANDWIDTH CONSUMPTION
Barracuda Networks, Inc.	8788831	13/246,386	More Elegant Exastore Apparatus and Method of Operation
Barracuda Networks, Inc.	9021017	13/225,428	Configuring a plurality of diverse devices/services from an adaptive configuration control hyper-server apparatus
Barracuda Networks, Inc.	8726384	13/091,293	Apparatus, and system for determining and cautioning users of Internet connected clients of potentially malicious software and method for operating such

Barracuda Networks, Inc.	8843612	12/610,505	DISTRIBUTED FREQUENCY DATA COLLECTION VIA DNS NETWORKING
Barracuda Networks, Inc.	8775604	12/610,511	DISTRIBUTED FREQUENCY DATA COLLECTION VIA INDICATOR EMBEDDED WITH DNS REQUEST
Barracuda Networks, Inc.	8788597	12/409,504	RECALLING SPAM EMAIL OR VIRUSES FROM INBOXES
Barracuda Networks, Inc.	8838965	11/844,348	SECURE REMOTE SUPPORT AUTOMATION PROCESS
Barracuda Networks, Inc.	9195668	13/921,089	Log Access Method Storage Control Apparatus, Archive System, and Method of Operation
Barracuda Networks, Inc.	7996475	12/167,547	FACILITATING TRANSMISSION OF EMAIL BY CHECKING EMAIL PARAMETERS WITH A DATABASE OF WELL BEHAVED SENDERS
Barracuda Networks, Inc.	8204948	12/854,871	QUERYING A DATABASE AND RECEIVING REPLIES IN IPV6 FORMAT BY UTILIZING WELL KNOWN PORT 53
Barracuda Networks, Inc.	8463797	12/839,307	Method For Measuring Similarity Of Diverse Binary Objects Comprising Bit Patterns
Barracuda Networks, Inc.	8849836	13/682,714	Method For Measuring Similarity Of Diverse Binary Objects Comprising Bit Patterns

Barracuda Networks, Inc.	9152466	13/928,092	Organizing File Events by Their Hierarchical Paths for Multi-Threaded Synch and Parallel Access System, Apparatus, and Method of Operation
Barracuda Networks, Inc.	8050251	12/421,651	VPN OPTIMIZATION BY DEFRAGMENTATION AND DEDUPLICATION APPARATUS AND METHOD
Barracuda Networks, Inc.	8571042	13/166,807	RECEPTION APPARATUS FOR VPN OPTIMIZATION BY DEFRAGMENTATION AND DEDUPLICATION AND METHOD
Barracuda Networks, Inc.	8559450	13/166,808	TRANSMISSION APPARATUS FOR VPN OPTIMIZATION BY DEFRAGMENTATION AND DEDUPLICATION AND METHOD
Barracuda Networks, Inc.	8831030	13/960,607	Transmission Apparatus Operation for VPN Optimization by Defragmentation and Deduplication Method
Barracuda Networks, Inc.	8789178	13/152,269	METHOD FOR DETECTING MALICIOUS JAVASCRIPT
Barracuda Networks, Inc.	7093294	10/002,764	SYSTEM AND METHOD FOR DETECTING AND CONTROLLING A DRONE IMPLANTED IN A NETWORK ATTACHED DEVICE SUCH AS A COMPUTER
Barracuda Networks, Inc.	7254038	11/111,319	LOW PROFILE EXPANSION CARD FOR A SYSTEM

Barracuda Networks, Inc.	7788291	11/861,034	WEB ACCELERATOR APPARATUS, SYSTEM, AND METHOD
Barracuda Networks, Inc.	7930428	12/268,446	VERIFICATION OF DNS ACCURACY IN CACHE POISONING
Barracuda Networks, Inc.	7970899	11/367,765	INTEGRATED DATA FLOW PACKET ADMISSION AND TRAFFIC MANAGEMENT APPARATUS
Barracuda Networks, Inc.	8069244	12/551,147	METHOD FOR DEFINING A SET OF RULES FOR A PACKET FORWARDING DEVICE
Barracuda Networks, Inc.	7987267	12/551,169	APPARATUS FOR DEFINING A SET OF RULES FOR A PACKET FORWARDING DEVICE
Barracuda Networks, Inc.	8555365	12/784,497	DIRECTORY AUTHENTICATION METHOD FOR POLICY DRIVEN WEB FILTERING
Barracuda Networks, Inc.	8122493	11/657,863	FIREWALL BASED ON DOMAIN NAMES
Barracuda Networks, Inc.	8219644	12/167,524	REQUESTING A SERVICE OR TRANSMITTING CONTENT AS A DOMAIN NAME SYSTEM RESOLVER

Barracuda Networks, Inc.	8280895	12/497,564	MULTI-STREAMED METHOD FOR OPTIMIZING DATA TRANSFER THROUGH PARALLELIZED INTERLACING OF DATA BASED UPON SORTED CHARACTERISTICS TO MINIMIZE LATENCIES INHERENT IN THE SYSTEM
Barracuda Networks, Inc.	8447856	12/323,379	POLICY-MANAGED DNS SERVER FOR TO CONTROL NETWORK TRAFFIC
Barracuda Networks, Inc.	8443193	12/859,738	STATE-MAINTAINED MULTI-PARTY SIGNATURES
Barracuda Networks, Inc.	7688815	10/920,789	METHOD AND SYSTEM FOR A MULTI-STAGE INTERCONNECT SWITCH
Barracuda Networks, Inc.	7328247	10/878,794	SELF-CONTAINED INSTANT MESSAGING APPLIANCE
Barracuda Networks, Inc.	7836267	11/847,380	OPEN COMPUTER FILES SNAPSHOT.
Barracuda Networks, Inc.	7898953	12/466,387	DEFICIT AND GROUP ROUND ROBIN SCHEDULING FOR EFFICIENT NETWORK TRAFFIC MANAGEMENT
Barracuda Networks, Inc.	7974288	12/467,007	TUNNELING FOR EFFICIENT NETWORK TRAFFIC MANAGEMENT
Barracuda Networks, Inc.	8434140	12/907,573	PORT HOPPING AND SEEK YOU PEER TO PEER TRAFFIC CONTROL METHOD AND SYSTEM

Barracuda Networks, Inc.	9680818	14/858,943	METHOD AND APPARATUS FOR BULK AUTHENTICATION AND LOAD BALANCING OF NETWORKED APPLIANCES
Barracuda Networks, Inc.	9942050	15/586,213	METHOD AND APPARATUS FOR BULK AUTHENTICATION AND LOAD BALANCING OF NETWORKED DEVICES
Barracuda Networks, Inc.	10171582	15/012,663	METHOD AND APPARATUS FOR CLIENT TO CONTENT APPLIANCE (CA) SYNCHRONIZATION
Barracuda Networks, Inc.	9918346	15/130,923	SYSTEM FOR CONNECTING, SECURING AND MANAGING NETWORK DEVICES WITH A DEDICATED PRIVATE VIRTUAL NETWORK
Barracuda Networks, Inc.	10542572	15/881,019	SYSTEM FOR CONNECTING, SECURING AND MANAGING NETWORK DEVICES WITH A DEDICATED PRIVATE VIRTUAL NETWORK
Barracuda Networks, Inc.	10044677	15/222,794	SYSTEM AND METHOD TO CONFIGURE A FIREWALL FOR ACCESS TO A CAPTIVE NETWORK
Barracuda Networks, Inc.	10439990	16/031,963	SYSTEM AND METHOD TO CONFIGURE A FIREWALL FOR ACCESS TO A CAPTIVE NETWORK
Barracuda Networks, Inc.	9465598	13/920,682	DEPLOYMENT OF BRANDED SOFTWARE

Barracuda Networks, Inc.	10333709	15/377,178	METHOD AND APPARATUS TO SUPPORT BINARY PACKING OF JSON DATA
Barracuda Networks, Inc.	8527549	13/031,628	CLOUD BASED OPERATING AND VIRTUAL FILE SYSTEM
Barracuda Networks, Inc.	8977661	13/726,643	SYSTEM, METHOD AND COMPUTER READABLE MEDIUM FOR FILE MANAGEMENT
Barracuda Networks, Inc.	9262643	13/726,641	ENCRYPTING FILES WITHIN A CLOUD COMPUTING ENVIRONMENT
Barracuda Networks, Inc.	9373001	14/203,683	DISTRIBUTED ENCRYPTION AND ACCESS CONTROL SCHEME IN A CLOUD ENVIRONMENT
Barracuda Networks, Inc.	10083307	15/147,277	DISTRIBUTED ENCRYPTION AND ACCESS CONTROL SCHEME IN A CLOUD ENVIRONMENT
Barracuda Networks, Inc.	10860715	15/600,511	METHOD AND APPARATUS FOR PROACTIVELY IDENTIFYING AND MITIGATING MALWARE ATTACKS VIA HOSTED WEB ASSETS
Barracuda Networks, Inc.	10050795	15/077,965	ROBUST RESTORATION OF PASSPHRASES FROM PARTIAL INFORMATION
Barracuda Networks, Inc.	10778714	15/920,855	METHOD AND APPARATUS FOR GENERATING CYBER SECURITY THREAT INDEX

Barracuda Networks, Inc.	11356469	16/899,570	METHOD AND APPARATUS FOR ESTIMATING MONETARY IMPACT OF CYBER ATTACKS
Barracuda Networks, Inc.	9755988	14/338,808	METHOD AND SYSTEM FOR ARBITRAGING COMPUTER RESOURCES IN A CLOUD COMPUTING ENVIRONMENT
Barracuda Networks, Inc.	11068569	15/993,218	METHOD AND APPARATUS FOR HUMAN ACTIVITY TRACKING AND AUTHENTICITY VERIFICATION OF HUMAN-ORIGINATED DIGITAL ASSETS
Barracuda Networks, Inc.	8484741	13/360,420	SOFTWARE SERVICE TO FACILITATE ORGANIZATIONAL TESTING OF EMPLOYEES TO DETERMINE THEIR POTENTIAL SUSCEPTIBILITY TO PHISHING SCAMS
Barracuda Networks, Inc.	9224117	13/934,850	SOFTWARE SERVICE TO FACILITATE ORGANIZATIONAL TESTING OF EMPLOYEES TO DETERMINE THEIR POTENTIAL SUSCEPTIBILITY TO PHISHING SCAMS

Barracuda Networks, Inc.	9881271	14/945,085	SOFTWARE SERVICE TO FACILITATE ORGANIZATIONAL TESTING OF EMPLOYEES TO DETERMINE THEIR POTENTIAL SUSCEPTIBILITY TO PHISHING SCAMS
Barracuda Networks, Inc.	10623441	15/883,073	SOFTWARE SERVICE TO FACILITATE ORGANIZATIONAL TESTING OF EMPLOYEES TO DETERMINE THEIR POTENTIAL SUSCEPTIBILITY TO PHISHING SCAMS
Barracuda Networks, Inc.	9699207	15/015,482	SOCIAL ENGINEERING SIMULATION WORKFLOW APPLIANCE
Barracuda Networks, Inc.	9871817	15/610,884	SOCIAL ENGINEERING SIMULATION WORKFLOW APPLIANCE
Barracuda Networks, Inc.	11645943	16/358,503	METHOD AND APPARATUS FOR TRAINING EMAIL RECIPIENTS AGAINST PHISHING ATTACKS USING REAL THREATS IN REALTIME
Barracuda Networks, Inc.	11145221	16/358,537	METHOD AND APPARATUS FOR NEUTRALIZING REAL CYBER THREATS TO TRAINING MATERIALS

Barracuda Networks, Inc.	11050714	16/170,859	SYSTEM AND METHOD OF UTILIZING NETWORK SECURITY DEVICES FOR INDUSTRIAL DEVICE PROTECTION AND CONTROL
Barracuda Networks, Inc.	11463409	17/179,972	SYSTEM AND METHOD OF UTILIZING NETWORK SECURITY DEVICES FOR INDUSTRIAL DEVICE PROTECTION AND CONTROL
Barracuda Networks, Inc.	11074088	16/268,264	SYSTEM AND METHOD OF UTILIZING SECURITY DEVICE PLUGIN FOR EXTERNAL DEVICE MONITORING AND CONTROL IN A SECURED ENVIRONMENT
Barracuda Networks, Inc.	11537412	17/338,474	SYSTEM AND METHOD OF UTILIZING SECURITY DEVICE PLUGIN FOR EXTERNAL DEVICE MONITORING AND CONTROL IN A SECURED ENVIRONMENT
Barracuda Networks, Inc.	10778717	16/363,596	SYSTEM AND METHOD FOR EMAIL ACCOUNT TAKEOVER DETECTION AND REMEDIATION
Barracuda Networks, Inc.	11159565	16/947,074	SYSTEM AND METHOD FOR EMAIL ACCOUNT TAKEOVER DETECTION AND REMEDIATION
Barracuda Networks, Inc.	11563757	16/949,863	SYSTEM AND METHOD FOR EMAIL ACCOUNT TAKEOVER DETECTION AND REMEDIATION UTILIZING AI MODELS

Barracuda Networks, Inc.	11665195	16/949,864	SYSTEM AND METHOD FOR EMAIL ACCOUNT TAKEOVER DETECTION AND REMEDIATION UTILIZING ANONYMIZED DATASETS
Barracuda Networks, Inc.	10761825	16/370,780	SYSTEM AND METHOD FOR APPLICATION PLUG-IN DISTRIBUTION
Barracuda Networks, Inc.	11126417	16/947,075	SYSTEM AND METHOD FOR APPLICATION PLUG-IN DISTRIBUTION
Barracuda Networks, Inc.	8042169	11/550,259	METHOD FOR PROVIDING REMOTE MANAGEMENT OF COMPUTER SYSTEMS
Barracuda Networks, Inc.	11250130	16/549,978	METHOD AND APPARATUS FOR SCANNING GINORMOUS FILES
Barracuda Networks, Inc.	11558419	16/898,431	METHOD AND APPARATUS FOR AUTONOMOUS IDENTIFICATION OF SIMILAR AND ADJACENT ATTACKS BASED ON DETECTED ATTACKS
Barracuda Networks, Inc.	11811806	17/247,355	SYSTEM AND APPARATUS FOR INTERNET TRAFFIC INSPECTION VIA LOCALIZED DNS CACHING
Barracuda Networks, Inc.	N/A	17/247,356	SYSTEM AND METHOD FOR DATA FILTERING IN MACHINE LEARNING MODEL TO DETECT IMPERSONATION ATTACKS
Barracuda Networks, Inc.	10574676	15/727,488	NETWORK TRAFFIC INSPECTION

Barracuda Networks, Inc.	10404726	16/189,964	NETWORK TRAFFIC INSPECTION
Barracuda Networks, Inc.	11025655	16/508,970	NETWORK TRAFFIC INSPECTION
Barracuda Networks, Inc.	11463460	17/210,344	NETWORK TRAFFIC INSPECTION
Barracuda Networks, Inc.	10958662	16/751,183	ACCESS PROXY PLATFORM
Barracuda Networks, Inc.	11457040	16/788,202	REVERSE TCP/IP STACK
Barracuda Networks, Inc.	11134058	16/788,205	NETWORK TRAFFIC INSPECTION
Barracuda Networks, Inc.	11949656	17/407,523	NETWORK TRAFFIC INSPECTION
Barracuda Networks, Inc.	11588724	17/392,888	SYSTEM AND METHOD FOR FIREWALL PROTECTION OF DYNAMICALLY INTRODUCED ROUTES
Barracuda Networks, Inc.	N/A	17/465,572	SYSTEM AND METHOD FOR IN DETECTION OF MALICIOUS BEHAVIOR IN SOFTWARE UPDATES TO PREVENT SOFTWARE SUPPLY CHAIN ATTACKS
Barracuda Networks, Inc.	11811548	17/684,826	SYSTEM AND METHOD FOR APPLIANCE CONFIGURATION IDENTIFICATION AND PROFILE MANAGEMENT
Barracuda Networks, Inc.	10834129	16/180,868	METHOD AND APPARATUS FOR USER PROTECTION FROM EXTERNAL E-MAIL ATTACK

Barracuda Networks, Inc.	11750647	17/079,073	METHOD AND APPARATUS FOR USER PROTECTION FROM EXTERNAL E-MAIL ATTACK
Barracuda Networks, Inc.	11546375	16/578,630	DETECTION OF EXTERNAL MESSAGING ATTACKS USING TRUST RELATIONSHIPS
Barracuda Networks, Inc.	11979372	17/699,941	System and method for looking up an IP address in an IP address space
Barracuda Networks, Inc.	12008084	17/707,482	System and method for autonomous software licensing during bootup process
Barracuda Networks, Inc.	12189480	17/873,022	System and method for quick appliance recovery
Barracuda Networks, Inc.	12192173	18/595,155	Network traffic inspection
Barracuda Networks, Inc.	N/A	18/098,867	SYSTEM AND METHOD FOR FAN-LESS THERMAL MITIGATION FOR INDUSTRIAL-GRADE APPLIANCES
Barracuda Networks, Inc.	N/A	18/371,878	SYSTEM AND METHOD FOR ROBUST NATURAL LANGUAGE CLASSIFICATION UNDER CHARACTER ENCODING
Barracuda Networks, Inc.	N/A	18/37,5901	SYSTEM AND METHOD FOR APPLIANCE CONFIGURATION IDENTIFICATION AND PROFILE MANAGEMENT
Barracuda Networks, Inc.	N/A	18/42,2966	SYSTEM AND METHOD FOR CONTINUOUS MONITORING AND REVOCATION OF DEVICE ACCESS

			AUTHORIZATION
Barracuda Networks, Inc.	N/A	18/425,909	SYSTEM AND METHOD FOR UTILIZING MULTIPLE MACHINE LEARNING MODELS FOR HIGH THROUGHPUT FRAUD ELECTRONIC MESSAGE DETECTION
Barracuda Networks, Inc.	N/A	18/425,932	SYSTEM AND METHOD FOR INCREASING EFFICIENCY IN MODEL CORRECTION IN SUPERVISED SYSTEMS
Barracuda Networks, Inc.	N/A	18/533,055	SYSTEM AND METHOD FOR DETECTING AND BLOCKING PHISHING ATTACKS EMBEDDED IN NOISY IMAGES
Barracuda Networks, Inc.	N/A	18/534,054	SYSTEM AND METHOD FOR DETERMINING CYBERSECURITY RISK LEVEL OF ELECTRONIC MESSAGES
Barracuda Networks, Inc.	N/A	63/651,363	SYSTEM AND METHOD FOR GENERATING FRAUD REPORTS USING LARGE LANGUAGE MODELS