TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM748854

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Release of Second Lien Security Interest in Intellectual Property recorded at R/F 7091/0762

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Goldman Sachs Bank USA, as Collateral Agent		08/15/2022	Bank: UNITED STATES

RECEIVING PARTY DATA

Name:	Barracuda Networks, Inc.				
Street Address: 3175 Winchester Blvd.					
City:	Cambell				
State/Country:	CALIFORNIA				
Postal Code:	95008				
Entity Type:	Corporation: DELAWARE				

PROPERTY NUMBERS Total: 19

900714016

Serial Number: 86355055 BARRACUDA Serial Number: 86221855 BARRACUDA Serial Number: 77757198 BARRACUDA NETWORKS Serial Number: 86720141 BARRACUDA NETWORKS Serial Number: 87573371 CLICK THINKING Serial Number: 86727438 CUDADRIVE Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77706868 INTRONIS Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Property Type	Number	Word Mark
Serial Number: 77757198 BARRACUDA NETWORKS Serial Number: 86720141 BARRACUDA NETWORKS Serial Number: 87573371 CLICK THINKING Serial Number: 86727438 CUDADRIVE Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	86355055	BARRACUDA
Serial Number: 86720141 BARRACUDA NETWORKS Serial Number: 87573371 CLICK THINKING Serial Number: 86727438 CUDADRIVE Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	86221855	BARRACUDA
Serial Number: 87573371 CLICK THINKING Serial Number: 86727438 CUDADRIVE Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77607868 INTRONIS Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 87414147 P Serial Number: 87414124 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	77757198	BARRACUDA NETWORKS
Serial Number: 86727438 CUDADRIVE Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77706868 INTRONIS Serial Number: 7607060 MANAGED WORKPLACE Serial Number: 87417005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	86720141	BARRACUDA NETWORKS
Serial Number: 86727325 CUDASIGN Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77706868 INTRONIS Serial Number: 7607060 MANAGED WORKPLACE Serial Number: 87417005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	87573371	CLICK THINKING
Serial Number: 85957406 DISCOVER STOR Serial Number: 77706867 INTELLIBLOX Serial Number: 77706868 INTRONIS Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 87477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	86727438	CUDADRIVE
Serial Number: 77706867 INTELLIBLOX Serial Number: 77706868 INTRONIS Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	86727325	CUDASIGN
Serial Number: 77706868 INTRONIS Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	85957406	DISCOVER STOR
Serial Number: 77607060 MANAGED WORKPLACE Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	77706867	INTELLIBLOX
Serial Number: 76477005 MANAGED WORKPLACE Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	77706868	INTRONIS
Serial Number: 87414147 P Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	77607060	MANAGED WORKPLACE
Serial Number: 85497462 PHISHLINE Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	76477005	MANAGED WORKPLACE
Serial Number: 87414124 PHISHLINE Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	87414147	Р
Serial Number: 87426171 SONIAN Serial Number: 86605274 SOOKASA	Serial Number:	85497462	PHISHLINE
Serial Number: 86605274 SOOKASA	Serial Number:	87414124	PHISHLINE
	Serial Number:	87426171	SONIAN
Carried Numbers: 000000000 VIFW	Serial Number:	86605274	SOOKASA
Serial Number: 86369226 VIEVV	Serial Number:	86369226	VIEW

REEL: 007823 FRAME: 0776

TRADEMARK

Property Type	Number	Word Mark
Serial Number:	86178196	

CORRESPONDENCE DATA

Fax Number: 2127514864

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: 12129061216

Email: angela.amaru@lw.com

Correspondent Name: Latham & Watkins LLP c/o Angela M. Amaru

Address Line 1: 1271 Avenue of the Americas Address Line 4: New York, NEW YORK 10020

ATTORNEY DOCKET NUMBER:	049646-0418
NAME OF SUBMITTER:	Angela M. Amaru
SIGNATURE:	/s/Angela M. Amaru
DATE SIGNED:	08/16/2022

Total Attachments: 13

source=Barracuda - Second Lien IP Release Executed#page1.tif source=Barracuda - Second Lien IP Release Executed#page2.tif source=Barracuda - Second Lien IP Release Executed#page3.tif source=Barracuda - Second Lien IP Release Executed#page4.tif source=Barracuda - Second Lien IP Release Executed#page5.tif source=Barracuda - Second Lien IP Release Executed#page6.tif source=Barracuda - Second Lien IP Release Executed#page7.tif source=Barracuda - Second Lien IP Release Executed#page8.tif source=Barracuda - Second Lien IP Release Executed#page9.tif source=Barracuda - Second Lien IP Release Executed#page10.tif source=Barracuda - Second Lien IP Release Executed#page11.tif source=Barracuda - Second Lien IP Release Executed#page12.tif source=Barracuda - Second Lien IP Release Executed#page12.tif source=Barracuda - Second Lien IP Release Executed#page13.tif

RELEASE OF SECOND LIEN SECURITY INTEREST IN INTELLECTUAL PROPERTY

This RELEASE OF SECOND LIEN SECURITY INTEREST IN INTELLECTUAL PROPERTY (this "Release"), dated as of August 15, 2022 (the "Effective Date"), is made by GOLDMAN SACHS BANK USA, as collateral agent for the Secured Parties (in such capacity, the "Collateral Agent") in favor of BARRACUDA NETWORKS, INC., a Delaware corporation (the "Grantor"). All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed to them in the IP Security Agreement (whether defined therein or by reference to another agreement).

WHEREAS, pursuant to that certain Second Lien Security Agreement, dated as of October 30, 2020 among the Grantor, the Collateral Agent, and the other parties thereto (as may have been amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), the Grantor executed and delivered that certain Second Lien Intellectual Property Security Agreement, dated as of October 30, 2020 (the "IP Security Agreement"), which was recorded in the United States Patent and Trademark Office ("USPTO") on October 30, 2020 at Reel/Frame 054260/0746 (with respect to the Patents) and at Reel/Frame 7091/0762 (with respect to the Trademarks), and was submitted for recordation in the United States Copyright Office ("USCO") on October 30, 2020 (with respect to the Copyrights);

WHEREAS, pursuant to the Security Agreement and the IP Security Agreement, the Grantor granted a security interest (the "Security Interest") in all of the Grantor's right, title and interest in and to the following, except for any Excluded Property (collectively, the "Collateral"):

- (i) the patents and patent applications forth in <u>Schedule A</u> hereto (the "**Patents**");
- (ii) the trademark and service mark registrations and applications set forth in <u>Schedule B</u> hereto, together with the goodwill symbolized thereby (the "**Trademarks**");
- (iii) the copyright registrations and applications set forth in <u>Schedule C</u> hereto (the "Copyrights");
- (iv) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;
- (v) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and
- (vi) any and all proceeds of, collateral for, income, royalties and other payments then or thereafter due and payable with respect to, and supporting obligations relating to, any and all of the foregoing, or arising from any of the foregoing; and

WHEREAS, the Collateral Agent and the Grantor acknowledge that the requirements for releasing the Security Interest in the Collateral have been met.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Collateral Agent, hereby (a) terminates and cancels the IP Security Agreement, (b) releases, discharges, terminates and cancels the

Security Interest in the Collateral, and (c) re-assigns to the Grantor any right, title or interest it may have in the Collateral, in each case without recourse to the Collateral Agent and without representation or warranty of any kind.

The Grantor, or any successor to the Grantor (including any person or entity hereafter having any right, title or interest in or to the Collateral), is hereby authorized to record this Release in the USPTO and the USCO, as applicable.

[Signature page follows]

US-DOCS\131439798.4

IN WITNESS WHEREOF, the Collateral Agent has caused this Release to be executed and delivered by its duly authorized representative as of the Effective Date.

GOLDMAN SACHS BANK USA, as Collateral Agent

Dy.____ Namê

Title:

[Signature Page to Release of Second Lien Security Interest in Intellectual Property]

SCHEDULE A

PATENTS

			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7		Grant	***************************************
Owner	Patent Title	Country	Status	Filed Date	App No.	Date	Patent No.
Barracuda	Cloud based operating and	U.S.	Issued	62/22/2611	13031628	09/03/2013	8527549
Networks, Inc.	virtual file system	Federal					
	Apparatus, and system for	U.S.	Issued	04/21/2011	13091293	05/13/2014	8726384
	determining and	Federal					
Barracuda	cautioning users of						
Networks, Inc.	internet connected clients						
	of potentially malicious						
	software and method for operating such						
Barracuda	Method for detecting	U.S.	Issued	06/03/2011	13152269	07/22/2014	\$789178
Networks, Inc.	malicious javascript	Federal	255000		111111111	0.722.2021	3,133,213
	Reception apparatus for	U.S.	Issued	06/23/2011	13166807	10/29/2013	8571042
Barracuda	VPN optimization by	Federal	233664	10.23/2111	13100031	10/23/2013	4071072
Networks, Inc.	defragmentation and	I Caciai					
	deduplication and method						
	Transmission apparatus	U.S.	Issued	06/23/2011	13166808	10/15/2013	8559450
Barracuda	for VPN optimization by	Federal					
Networks, Inc.	defragmentation and						
	deduplication and method	77.0		50:00:0511	12225438	04/20/2015	0031017
	Configuring a plurality of diverse devices/services	U.S.	Issued	09/03/2011	13225428	04/28/2015	9021017
Barracuda	from an adaptive	Federal					
Networks, Inc.	configuration control						
	hyper-server apparatus						
Barracuda	More elegant exastore	U.S.	Issued	09/27/2011	13246386	07/22/2014	\$788831
Networks, Inc.	apparatus and method of	Federal					
Trees Care, Inc.	operation						
Barracuda	Chent-server transactional	U.S.	Issued	09/27/2011	13246834	05/13/2014	\$725704
Networks, Inc.	pre-archival apparatus	Federal					
	Software Service to	U.S.	Issued	01/27/2012	13360420	07/09/2013	\$484741
Barracuda	Facilitate Organizational	Federal					
Networks, Inc.	Testing of Employees to Determine Their Potential						
1415W OLKE, MIC.	Susceptibility to Phishing						
	Scams						
	Method for measuring	U.S.	Issued	11/20/2012	13682714	09/30/2014	\$ \$49836
Barracuda	similarity of diverse	Federal					
Networks, Inc.	binary objects comprising						
	bit patterns				4 0 m5 c c 1 d	2211622216	6242613
Barracuda	Encrypting files within a cloud computing	U.S.	Issued	12/26/2012	13726641	02/16/2016	9262643
Networks, Inc.	environment	Federal					
	System, method and	U.S.	Issued	12/26/2012	13726643	03/10/2015	8977661
Barracuda	computer readable	Federal	133000	12.20.2012	43,200,3	1	
Networks, Inc.	medium for file	remeiar					
	managemeni						
Barracuda	Deployment of branded	U.S.	Issued	06/18/2013	13920682	10/11/2016	9465598
Networks, Inc.	software	Federal					
	Log access method	U.S.	Issued	06/18/2013	13921089		9195668
Barracuda	storage control apparatus,	Federal				11/24/2015	
Networks, Inc.	archive system, and						
	method of operation	l					

US-DOCS\131439798.4 **TRADEMARK**

REEL: 007823 FRAME: 0781

Owner	Patent Title	Country	Status	Filed Date	App No.	Grant Date	Patent No.
	Organizing file events by	U.S.	Issued	06/26/2013	13928092	19/06/2015	9152466
	their hierarchical paths for	Federal	1334664				,
Barracuda	multi-threaded synch and	1 Dater at					
Networks, Inc.	parallel access system,						
	apparatus, and method of						
	operation					.,	
	Software service to	U.S.	Issued	07/03/2013	13934850	12/29/2015	9224117
Barracuda	facilitate organizational	Federal					
Networks, Inc.	testing of employees to determine their potential						
Newvers, m.	susceptibility to phishing						
	acams						
	Transmission apparatus	U.S.	Issued	08/06/2013	13960607	09/09/2014	8831030
Barracuda	operation for VPN	Federal					
Networks, Inc.	optimization by						
	defragmentation and						
	deduplication method			03/11/2014	***************************************	06/21/2016	9373001
Barracuda	Distributed encryption and access control scheme in a	U.S.	Issued	03/11/2014	14203683	00/21/2010	9373001
Networks, Inc.	cloud environment	Federal					
	Method and system for	U.S.	Issued	07/23/2014	14338\$08	09/05/2017	9755988
Barracuda	arbitraging computer	Federal	1550000				
Networks, Inc.	resources m a cloud	1000101					
	computing environment			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
_	Method and apparatus for	U.S.	Issued	09/18/2015	14858943	06/13/2017	9680818
Barracuda	bulk authenneation and	Federal					
Networks, Inc.	load balancing of						
	networked appliances Software service to	U.S.	Issued	11/18/2015	14945085	01/30/2018	9881271
	facilitate organizational	Federal	255000	7257252013	1 (> 1000)	01.50.2010	2001271
Barracuda	testing of employees to	1 COULD					
Networks, Inc.	determine their potential						
	susceptibility to phishing						
	scarus			4			
Barracuda	Method and apparatus for	U.S.	Issued	02/01/2016	15012663	01/01/2019	10171582
Networks, Inc.	client to content appliance (CA) synchronization	Federal					
	Social engineering	U.S.	Issued	02/04/2016	15015482	07/04/2017	9699207
Barracuda	simulation workflow	Federal	155860	02/04/2010	25015402	0,704,201	303320,
Networks, Inc.	appliance	1. Euclai					
Barracuda	Robust restoration of	U.S.	Issued	03/23/2016	15077965	08/14/2018	10050795
Networks, Inc.	passphrases from partial	Federal					
	information						
	System for connecting.	U.S.	Issued	04/15/2016	15130923	03/13/2018	9918346
Barracuda	securing and managing network devices with a	Federal					
Networks, Inc.	dedicated private virtual						
	network						
D	Distributed encryption and	U.S.	Issued	05/05/2016	15147277	09/25/2018	10083307
Barracuda Networks, Inc.	access control scheme in a	Federal					
INCUMENTAL MIC.	cloud environment						
_	System and method to	U.S.	Issued	07/28/2016	15222794	08/07/2018	10044677
Barracuda	configure a firewall for	Federal					
Networks, Inc.	access to a captive						
	network Method and apparatus to	U.S.	T 3	12/13/2016	15377178	06/25/2019	10333709
Barracuda	support binary packing of	U.S. Federal	Issued	12/13/2010	137//160	00/23/2813	10222103
Networks, Inc.	and a summer of the summer of	reactai	1			§	

Owner	Patent Title	Country	Status	Filed Date	App No.	Grant Date	Patent No.
Barracuda Networks, Inc.	Method and apparatus for bulk authentication and load balancing of networked devices	U.S. Federal	Issued	05/03/2017	135%6213	04/10/2018	9942050
Barracuda Networks, Inc.	METHOD AND APPARATUS FOR PROACTIVELY IDENTIFYING AND MITIGATING MALWARE ATTACKS VIA HOSTED WEB ASSETS	U.S. Federal	Pending	05/19/2017	15600511		
Barracudz Networks, Inc.	Social engineering simulation workflow appliance	U.S. Federal	Issued	06/01/2017	15610884	01/16/2018	9871817
Barracuda Networks, Inc.	System for connecting, securing and managing network devices with a dedicated private virtual network	U.S. Federal	Issued	01/26/2018	158\$1019	01/21/2020	10542572
Barracuda Networks, Inc.	Software service to facilitate organizational testing of employees to determine their potential susceptibility to phishing scams	U.S. Federal	Issued	01/29/2018	15883073	04/14/2620	10623441
Barracuda Networks, Inc.	Method and apparatus for generating cyber security threat index	U.S. Federal	Issued	03/14/2018	15920855	09/15/2020	10778714
Barracuda Networks, Inc.	METHOD AND APPARATUS FOR HUMAN ACTIVITY TRACKING AND AUTHENTICITY VERIFICATION OF HUMAN-ORIGINATED DIGITAL ASSETS	U.S. Federal	Pending	05/30/2018	15993218		
Barracuda Networks, Inc.	System and method to configure a firewall for access to a captive network	U.S. Federal	Issued	07/10/2018	16031963	10/08/2019	10439990
Barracuda Networks, Inc.	System and method for email account takeover detection and remediation	U.S. Federal	Issued	03/25/2019	16363596	09/15/2020	10778717
Barracuda Networks, Inc.	System and method for application plug-in distribution	U.S. Federal	Issued	03/29/2019	16370780	09/01/2020	10761825
Barracuda Networks, Inc.	Integrated access point network device	U.S. Federal	Issued	12/05/2000	09730513	12/12/2006	7149232
Barracuda Networks, Inc.	Message and user attributes in a message filtering method and system	U.S. Federal	Issued	11/13/2001	10010789	08/17/2004	6778941
Barracuda Networks, Inc.	System and method for detecting and controlling a drone implanted in a network attached device such as a computer	U.S. Federal	Issued	10/31/2001	10002764	98/15/2006	7093294

						Grant	
Owner	Patent Title	Country	Status	Filed Date	App No.	Date	Patent No.
Barracuda Networks, Inc.	Central policy manager	U.S. Federal	Issued	09/12/2001	09950979	09/18/2007	7272155
Barracuda Networks, Inc.	Distributed quality-of- service system	U.S. Federal	Issued	09/18/2001	09955860	12/12/2006	7149795
Barracuda Networks, Inc.	Method and apparatus for determination of the non- replicative behavior of a malicious program	U.S. Federal	Issued	05/08/2002	10141896	09/05/2006	7103913
Barracuda Networks, Inc.	Self-contained instant messaging appliance	U.S. Federal	Issued	06/28/2004	10878794	02/05/2008	7328247
Barracuda Nesworks, Inc.	Method and system for a multi-stage interconnect switch	U.S. Federal	Issued	08/17/2004	10920789	03/30/2010	7 6888 15
Barracuda Networks, Inc.	Low profile expansion card for a system	U.S. Federal	Issued	04/21/2005	11111319	08/07/2007	7254038
Barracuda Networks, Inc.	Bandwidth management algorithm	U.S. Federal	Issued	12/19/2005	11311866	04/14/2009	7519727
Barracuda Networks, Inc.	Integrated data flow packet admission and traffic management apparatus	U.S. Federal	Issued	03/03/2006	11367765	06/28/2011	7970899
Barracuda Networks, Inc.	E-mail stamping with from-header validation	U.S. Federal	Issued	06/01/2006	11421748	03/29/2011	7917756
Barracuda Networks, Inc.	Method for providing remote management of computer systems	U.S. Federal	Issued	10/17/2006	11550259	10/18/2011	\$042159
Barracuda Networks, Inc.	E-mail Stamping with accredited entity name	U.S. Federal	Issued	12/01/2006	11566013	03/29/2011	7917943
Barracuda Networks, Inc.	Firewall based on domain names	U.S. Federal	Issued	01/25/2007	11657863	02/21/2012	8122493
Barracuda Networks, Inc.	E-mail stamping with from-header validation	U.S. Federal	Issued	05/02/2007	11743151	01/25/2011	7877789
Barracuda Networks, Inc.	Secure remote support automation process	U.S. Federal	Issued	08/23/2007	11844348	09/16/2014	8838965
Barracuda Networks, Inc.	Open computer files snapshot	U.S. Federal	Issued	08/30/2007	11847380	11/16/2010	7836267
Barracuda Networks, Inc.	Web accelerator apparatus, system, and method	U.S. Federal	Issued	09/25/2007	11861034	08/31/2010	7788291
Barracuda Networks, Inc.	Method and apparatus for determination of the non- replicative behavior of a malicious program	U.S. Federal	Issued	06/18/2008	12141165	12/28/2016	7861390
Barracuda Nesworks, Inc.	Requesting a service or transmitting content as a domain name system resolver	U.S. Federal	Issued	07/03/2008	12167524	07/10/2012	8219644
Barracuda Networks, Inc.	Facilitating transmission of email by checking email parameters with a database of well behaved senders	U.S. Federal	Issued	07/03/2008	12167547	08/09/2011	7996473
Barracuda Networks, Inc.	Verification of DNS accuracy in cache poisoning	U.S. Federal	Issued	11/11/2008	12268446	04/19/2011	7930428

Owner	Patent Title	C	Crar.	Filed Date	App No.	Grant	Batant V
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Country	Status	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date	Patent No.
Barracuda Networks, Inc.	Policy-managed DNS server for to control network traffic	U.S. Federal	Issued	11/25/2008	12323379	05/21/2013	8447856
Barracuda Networks, Inc.	Backup apparatus with higher security and lower network bandwidth consumption	U.S. Federal	Issued	03/20/2009	12408644	10/09/2012	\$285997
Barracuda Networks, Inc.	Recalling spam email or viruses from inboxes	U.S. Federal	Issued	03/24/2009	12469504	07/22/2014	8788597
Barracuda Networks, Inc.	VPN optimization by defragmentation and deduplication apparatus and method	U.S. Federal	Issued	04/10/2009	12421651	11/01/2011	8050251
Barracuda Networks, Inc.	Deficit and group round robin scheduling for efficient network traffic management	U.S. Federal	Issued	05/15/2009	12466387	03/01/2011	7898953
Barracuda Networks, Inc.	Tunnsling for efficient network traffic management	U.S. Federal	Issued	05/15/2009	12467007	07/05/2011	7974288
Barracuda Networks, Inc.	Multi-streamed method for optimizing data transfer through parallelized interlacing of data based upon sorted characteristics to minimize latencies inherent in the system	U.S. Federal	Issued	07/03/2009	12497564	16/02/2012	82 8089 5
Barracuda Networks, Inc.	Method for defining a set of rules for a packet forwarding device	U.S. Federal	Issued	08/31/2009	12551147	04/08/2010	80 6 9244
Barracuda Networks, Inc.	Apparatus for defining a set of rules for a packet forwarding device	U.S. Federal	Issued	08/31/2009	12551169	07/26/2011	7987267
Barracuda Networks, Inc.	Distributed frequency data collection via DNS networking	U.S. Federal	Issued	11/02/2009	12610505	09/23/2014	8843612
Barracuda Networks, Inc.	Distributed frequency data collection via indicator embedded with DNS request	U.S. Federal	Issued	11/02/2009	12610511	07/08/2014	8775604
Barracuda Networks, Inc.	Directory authentication method for policy driven web filtering	U.S. Federal	Issued	05/21/2010	12784497	10/08/2013	\$555365
Barracuda Networks, Inc.	Method for measuring similarity of diverse binary objects comprising bit patterns	U.S. Federal	Issued	07/20/2010	12839307	06/11/2013	8463797
Barracuda Networks, Inc.	Querying a database and receiving replies in IPv6 format by utilizing well known port 53	U.S. Federal	Issued	08/11/2010	12854871	06/19/2012	8204948
Barracuda Networks, Inc.	STATE-MAINTAINED MULTI-PARTY SIGNATURES	U.S. Federal	Issued	08/19/2010	12859738	05/14/2013	84 43193
Barracuda Networks, Inc.	Port hopping and seek you peer to peer traffic control method and system	U.S. Federal	Issued	10/19/2010	12907573	04/30/2013	8434140

Owner	B. Tul	-		Filed Date	App No.	Grant	ъ
	Patent Title	Conntry	Status			Date	Patent No.
Barracuda Networks, Inc.	Method and system for building dynamic firewall rules, based on content of downloaded documents	U.S. Federal	Issued	16/12/2000	09687100	08/15/2006	7093287
Barracuda Networks, Inc.	Bandwidth management system with multiple processing engines	U.S. Federal	Issued	67/07/2006	09612635	03/07/2006	7010611
Barracuda Networks, Inc.	Method and apparatus for estimating monetary impact of cyber attacks	U.S. Federal	Pending	06/11/2020	16899570		
Barracuda Neiworks, Inc.	System and method of utilizing security device plugin for external device monitoring and control in a secured environment	U.S. Federal	Pending	62/05/2019	16268264		
Barracuda Networks, Inc.	System and method of utilizing network security devices for industrial device protection and control	U.S. Federal	Pending	19/25/2018	16170859		
Barracuda Networks, Inc.	Method and apparatus for neutralizing real cyber threats to training materials	U.S. Federal	Pending	03/19/2019	16358537		
Barracuda Networks, Inc.	Method and apparatus for training email recipients against phishing attacks using real threats in realtime	U.S. Federal	Pending	63/19/2019	16358503		
Barracuda Networks, Inc.	SYSTEM AND APPARATUS FOR DETECTION OF EMAIL COMPROMISE AND ACCOUNT TAKEOVER ATTACKS UTILIZING ANONYMIZED DATASETS AND AI MODELS	U.S. Federal	Pending	96/11/2026	63637988		
Barracuda Networks, Inc.	SYSTEM AND APPARATUS FOR INTERNET TRAFFIC INSPECTION VIA LOCALIZED DNS CACHING	U.S. Federal	Pending	69/25/2026	63198059	-	
Barracuds Networks, Inc.	METHOD AND APPARATUS FOR AUTONOMOUS IDENTIFICATION OF SIMILAR AND ADJACENT ATTACKS BASED ON DETECTED ATTACKS	U.S Federal	Pending	06/10/2020	16898431		

Owner	Patent Title	Country	Status	Filed Date	App No.	Grant Date	Patent No.
Barracuda Networks, Inc.	SYSTEM AND METHOD FOR EMAIL ACCOUNT TAKEOVER DETECTION AND REMEDIATION	U.S. Federal	Pending	97/ 16 /2020	16947674		
Barracuda Networks, Inc.	SYSTEM AND METHOD FOR APPLICATION PLUG- IN DISTRIBUTION	U.S. Federal	Pending	07/17/2020	16947075		
Barracuda Networks, Inc.	METHOD AND APPARATUS FOR SCANNING GINORMOUS FILES	U.S. Federal	Pending	08/23/2019	16549978		

SCHEDULE B

TRADEMARKS

Grantor	Trademark	Country	App Date	App No.	Reg Date	Reg No.	Status
BARRACUDA NETWORKS, INC.	BARRACUDA	U.S. Federal	August 1, 2014	86355055	April 7, 2015	4715332	Registered April 7, 2015
BARRACUDA NETWORKS, INC.	BARRACUDA and Design	U.S. Federal	March 14, 2014	86221855	September 16, 2014	4605554	Registered September 16, 2014
BARRACUDA NETWORKS, INC.	BARRACUDA NETWORKS	U.S. Federal	June 11, 2009	77757198	October 26, 2010	3866379	Registered May 11, 2016
BARRACUDA NETWORKS, INC.	BARRACUDA NETWORKS	U.S. Federal	August 10, 2015	86720141	March 22, 2016	4922692	Registered March 22, 2016
BARRACUDA NETWORKS, INC.	CLICK THINKING	U.S. Federal	August 17, 2017	87573371	April 24, 2018	5451370	Registered April 24, 2018
BARRACUDA NETWORKS, INC.	CUDADRIVE	U.S. Federal	August 17, 2015	86727438	March 29, 2016	4926991	Registered March 29, 2016
BARRACUDA NETWORKS, INC.	CUDASIGN	U.S. Federal	August 17, 2015	86727325	March 29, 2016	4926979	Registered March 29, 2016
BARRACUDA NETWORKS, INC.	DISCOVER STOR	U.S. Federal	June 12, 2013	85957406	August 19, 2014	4587074	Registered August 19, 2014
BARRACUDA NETWORKS, INC.	INTELLIBLOX	U.S. Federal	April 3, 2009	77796867	October 20, 2009	3698676	Renewed October 20, 2019
BARRACUDA NETWORKS, INC.	INTRONIS	U.S. Federal	April 3, 2009	77706868	October 20, 2009	3698677	Renewed October 20, 2019
BARRACUDA NETWORKS, INC.	MANAGED WORKPLACE	U.S. Federal	November 4, 2008	77607060	December 8, 2009	3720934	Renewed December 8, 2019
BARRACUDA NETWORKS, INC.	MANAGED WORKPLACE	U.S. Federal	December 17, 2002	76477005	November 25, 2003	2786062	Renewed November 25, 2013
BARRACUDA NETWORKS, INC.	P and Design	U.S. Federal	April 17, 2017	87414147	April 7, 2020	6929565	Registered April 7, 2020
BARRACUDA NETWORKS, INC.	PHISHLINE	U.S. Federal	December 16, 2011	85497462	August 7, 2012	4186265	Registered August 17, 2018
BARRACUDA NETWORKS, INC.	PHISHLINE	U.S. Federal	April 17, 2017	87414124	April 24, 2018	5451140	Registered April 24, 2018
BARRACUDA NETWORKS, INC.	SONIAN	U.S. Federal	April 26, 2017	87426171	December 5, 2017	5349567	Registered December 5, 2017

US-DOCS\131439798.4

TRADEMAR

Grantor	Trademark	Country	App Date	App No.	Reg Date	Reg No.	Status
BARRACUDA NETWORKS, INC.	SOOKASA	U.S. Federal	April 21, 2015	86605274	December 13, 2016	5101151	Registered December 13, 2016
BARRACUDA NETWORKS, INC.	VIEW	U.S. Federal	August 18, 2014	86369226	April 18, 2017	5186880	Registered April 18, 2017
BARRACUDA NETWORKS, INC.	Design Only	U.S. Federal	January 29, 2014	86178196	September 30, 2014	4612911	Registered September 30, 2014

SCHEDULE C

COPYRIGHTS

	Grantor	Full Title	Copyright Number	Date
	Barracuda	Yosemite Backup	TX0006574697	05/21/2007
1	Networks, Inc.			
	Barracuda	Tapeware + device utilities	TX0003259181	02/10/1992
	Networks, Inc.			

US-DOCS\131439798.4

RECORDED: 08/16/2022