

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM519051

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Release of Security interest in Intellectual Property recorded at R/F 6272/0806		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
GOLDMAN SACHS BANK USA, AS COLLATERAL AGENT		04/15/2019	Bank: UNITED STATES
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Barracuda Networks, Inc.		
<b>Street Address:</b>	3175 Winchester Bld.		
<b>City:</b>	Cambell		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95008		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>PROPERTY NUMBERS Total: 25</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	86355055	BARRACUDA	
<b>Serial Number:</b>	86221855	BARRACUDA	
<b>Serial Number:</b>	86720141	BARRACUDA NETWORKS	
<b>Serial Number:</b>	77757198	BARRACUDA NETWORKS	
<b>Serial Number:</b>	87517711	CLOUDGEN	
<b>Serial Number:</b>	85650871	COPY	
<b>Serial Number:</b>	86727438	CUDADRIVE	
<b>Serial Number:</b>	86058317	CUDAEYE	
<b>Serial Number:</b>	86058325	CUDAEYE	
<b>Serial Number:</b>	87310786	CUDAMAIL	
<b>Serial Number:</b>	86727325	CUDASIGN	
<b>Serial Number:</b>	86058307	CUDATEL	
<b>Serial Number:</b>	86058302	CUDATEL	
<b>Serial Number:</b>	86178196		
<b>Serial Number:</b>	86058295		
<b>Serial Number:</b>	85900809	EON	
<b>Serial Number:</b>	85900835	EON	

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Property Type	Number	Word Mark
Serial Number:	77706867	INTELLIBLOX
Serial Number:	77706868	INTRONIS
Serial Number:	85331524	NOTARYNOW
Serial Number:	86068595	RECLAIM YOUR NETWORK
Serial Number:	86605274	SOOKASA
Serial Number:	85957406	DISCOVER STOR
Serial Number:	87426171	SONIAN
Serial Number:	86369226	VIEW

**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:** 212-906-1216  
**Email:** angela.amaru@lw.com  
**Correspondent Name:** LATHAM & WATKINS LLP C/O ANGELA M. AMARU  
**Address Line 1:** 885 THIRD AVENUE  
**Address Line 4:** NEW YORK, NEW YORK 10022

<b>NAME OF SUBMITTER:</b>	Angela M. Amaru
<b>SIGNATURE:</b>	/s/ Angela M. Amaru
<b>DATE SIGNED:</b>	04/15/2019

**Total Attachments: 16**  
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**RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY**

This RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY, dated as of April 15, 2019 (this “Release”), is made by Goldman Sachs Bank USA, as collateral agent (in such capacity, the “Collateral Agent”) for the Secured Parties, in favor of Barracuda Networks, Inc., a Delaware corporation (the “Grantor”). Capitalized terms not otherwise defined in this Release shall have the meanings provided or provided by reference in the Intellectual Property Security Agreement (as defined below).

WHEREAS, the Grantor entered into that certain Second Lien Security Agreement, dated as of February 12, 2018 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”) in favor of the Collateral Agent;

WHEREAS, pursuant to the Security Agreement, the Grantor executed and delivered that certain Second Lien Intellectual Property Security Agreement, dated as of February 12, 2018 (the “Intellectual Property Security Agreement”), in favor of the Collateral Agent, which was recorded in the United States Patent and Trademark Office on February 14, 2018 at Reel 045327, Frame 0934 and Reel 6272, Frame 0806, and was recorded in the United States Copyright Office on March 13, 2019 at Vol. 9961 Doc. 460;

WHEREAS, pursuant to the Security Agreement and the Intellectual Property Security Agreement, the Grantor granted to the Collateral Agent for the ratable benefit of the Secured Parties a security interest in all of such Grantor’s right, title and interest in or to the following, except for any Excluded Property (the “Intellectual Property Collateral”): (i) the patents and patent applications set forth in Schedule A hereto (the “Patents”); (ii) the trademark and service mark registrations and application set forth in Schedule B hereto, together with the goodwill symbolized thereby (the “Trademarks”); (iii) the copyright registrations and applications set forth in Schedule C 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 Intellectual Property Collateral of or arising from any of the foregoing; and

WHEREAS, the Grantor has requested that the Collateral Agent execute and deliver this Release to evidence the release of its Security Interest in the Intellectual Property Collateral for filing and recordation with the United States Patent and Trademark Office and the United States Copyright Office.


NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt of which is hereby acknowledged, the Collateral Agent, without any representation, warranty or recourse of any kind or nature, hereby releases and terminates in its entirety its security interest in and to the Intellectual Property Collateral, and discharges, quit

claims, and relinquishes unto the Grantor, and re-assigns to the Grantor any and all right, title or interest it may have in or to, the Intellectual Property Collateral.

[Signature Page Follows]

IN WITNESS WHEREOF, Collateral Agent has caused this Release to be executed and delivered by its duly authorized officer as of the date first set forth above.

**GOLDMAN SACHS BANK USA, as  
Collateral Agent**

By:   
Name: Charles D. Johnston  
Title: Authorized Signatory

[Signature Page to Second Lien IP Release]

**TRADEMARK  
REEL: 006618 FRAME: 0427**

**SCHEDULE A**

**PATENTS**

<b>Title</b>	<b>Jurisdiction</b>	<b>Application No./ Filing Date</b>	<b>Patent No./ Issue Date</b>	<b>Status</b>	<b>Grantor</b>
Method and apparatus for software performance tuning with dispatching	U.S.	15/413,315 1/23/2017	—	Pending	Barracuda Networks, Inc.
System and method for AI-based real-time communication fraud detection and prevention	U.S.	15/693,318 8/31/2017	—	Pending	Barracuda Networks, Inc.
System and method for AI-based anti-fraud user training and protection	U.S.	15/693,353 8/31/2017	—	Pending	Barracuda Networks, Inc.
System and method for electronic messaging threat scanning and detection	U.S.	15/693,367 8/31/2017	—	Pending	Barracuda Networks, Inc.
Method and apparatus for document preview and delivery with password protection	U.S.	15/814,250 11/15/2017	—	Pending	Barracuda Networks, Inc.
AI-based real-time communication fraud detection and prevention	U.S.	62/535,191 7/20/2017	—	Pending	Barracuda Networks, Inc.
Method and apparatus for cyber security threat index	U.S.	62/537,382 7/26/2017	—	Pending	Barracuda Networks, Inc.
Method and apparatus for authenticity tracking and verification of human-originated digital assets	U.S.	62/609,730 12/22/2017	—	Pending	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Distributed encryption and access control scheme in a cloud environment	U.S.	15/147,277 5/5/2016	—	Pending	Barracuda Networks, Inc.
Method and apparatus for authorized access to local files on a copy appliance	U.S.	15/017,490 2/5/2016	—	Pending	Barracuda Networks, Inc.
Method and apparatus for client to content appliance (CA) synchronization	U.S.	15/012,663 2/1/2016	—	Pending	Barracuda Networks, Inc.
Method and apparatus for file synchronization and sharing with cloud storage	U.S.	15/009,685 1/28/2016	—	Pending	Barracuda Networks, Inc.
System for connecting, securing and managing network devices with a dedicated private virtual network	U.S.	15/130,923 4/15/2016	—	Pending	Barracuda Networks, Inc.
Robust restoration of passphrases from partial information	U.S.	15/077,965 3/23/2016	—	Pending	Barracuda Networks, Inc.
System and method to configure a firewall for access to a captive network	U.S.	15/222,794 7/28/2016	—	Pending	Barracuda Networks, Inc.
Method and apparatus for bulk authentication and load balancing of networked devices	U.S.	15/586,213 5/3/2017	—	Pending	Barracuda Networks, Inc.
System and method for correlating captured network packet with metadata	U.S.	15/263,927 9/13/2016	—	Pending	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Method and apparatus to support binary packing of json data	U.S.	15/377,178 12/13/2016	—	Pending	Barracuda Networks, Inc.
Method and apparatus for proactively identifying and mitigating malware attacks via hosted web assets	U.S.	15/600,511 5/19/2017	—	Pending	Barracuda Networks, Inc.
Congestion control	U.S.	09/118,400 7/17/1998	6097697 8/1/2000	Issued	Barracuda Networks, Inc.
Message and user attributes in a message filtering method and system	U.S.	10/010,789 11/13/2001	6778941 8/17/2004	Issued	Barracuda Networks, Inc.
Bandwidth management system with multiple processing engines	U.S.	09/612,635 7/7/2000	7010611 3/7/2006	Issued	Barracuda Networks, Inc.
Method and system for building dynamic firewall rules, based on content of downloaded documents	U.S.	09/687,100 10/12/2000	7093287 8/15/2006	Issued	Barracuda Networks, Inc.
System and method for detecting and controlling a drone implanted in a network attached device such as a computer	U.S.	10/002,764 10/31/2001	7093294 8/15/2006	Issued	Barracuda Networks, Inc.
Method and apparatus for determination of the non-replicative behavior of a malicious program	U.S.	10/141,896 5/8/2002	7103913 9/5/2006	Issued	Barracuda Networks, Inc.
Integrated access point network device	U.S.	09/730,513 12/5/2000	7149222 12/12/2006	Issued	Barracuda Networks, Inc.



Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Distributed quality-of-service system	U.S.	09/955,860 9/18/2001	7149795 12/12/2006	Issued	Barracuda Networks, Inc.
Low profile expansion card for a system	U.S.	11/111,319 4/21/2005	7254038 8/7/2007	Issued	Barracuda Networks, Inc.
Central policy manager	U.S.	09/950,979 9/12/2001	7272155 9/18/2007	Issued	Barracuda Networks, Inc.
Self-contained instant messaging appliance	U.S.	10/878,794 6/28/2004	7328247 2/5/2008	Issued	Barracuda Networks, Inc.
Bandwidth management algorithm	U.S.	11/311,866 12/19/2005	7519727 4/14/2009	Issued	Barracuda Networks, Inc.
Method and system for a multi-stage interconnect switch	U.S.	10/920,789 8/17/2004	7688815 3/30/2010	Issued	Barracuda Networks, Inc.
Web accelerator apparatus, system, and method	U.S.	11/861,034 9/25/2007	7788291 8/31/2010	Issued	Barracuda Networks, Inc.
Open computer files snapshot	U.S.	11/847,380 8/30/2007	7836267 11/16/2010	Issued	Barracuda Networks, Inc.
Method and apparatus for determination of the non-replicative behavior of a malicious program	U.S.	12/141,165 6/18/2008	7861300 12/28/2010	Issued	Barracuda Networks, Inc.
E-mail stamping with from-header validation	U.S.	11/743,151 5/2/2007	7877789 1/25/2011	Issued	Barracuda Networks, Inc.
Deficit and group round robin scheduling for efficient network traffic management	U.S.	12/466,387 5/15/2009	7898953 3/1/2011	Issued	Barracuda Networks, Inc.
E-mail stamping with from-header validation	U.S.	11/421,748 6/1/2006	7917756 3/29/2011	Issued	Barracuda Networks, Inc.
E-mail stamping with accredited entity name	U.S.	11/566,013 12/1/2006	7917943 3/29/2011	Issued	Barracuda Networks, Inc.
Verification of DNS accuracy in cache poisoning	U.S.	12/268,446 11/11/2008	7930428 4/19/2011	Issued	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Integrated data flow packet admission and traffic management apparatus	U.S.	11/367,765 3/3/2006	7970899 6/28/2011	Issued	Barracuda Networks, Inc.
Tunneling for efficient network traffic management	U.S.	12/467,007 5/15/2009	7974288 7/5/2011	Issued	Barracuda Networks, Inc.
Apparatus for defining a set of rules for a packet forwarding device	U.S.	12/551,169 8/31/2009	7987267 7/26/2011	Issued	Barracuda Networks, Inc.
Facilitating transmission of email by checking email parameters with a database of well behaved senders	U.S.	12/167,547 7/3/2008	7996475 8/9/2011	Issued	Barracuda Networks, Inc.
VPN optimization by defragmentation and deduplication apparatus and method	U.S.	12/421,651 4/10/2009	8050251 11/1/2011	Issued	Barracuda Networks, Inc.
Method for defining a set of rules for a packet forwarding device	U.S.	12/551,147 8/31/2009	8069244 11/29/2011	Issued	Barracuda Networks, Inc.
Firewall based on domain names	U.S.	11/657,863 1/25/2007	8122493 2/21/2012	Issued	Barracuda Networks, Inc.
Querying a database and receiving replies in IPv6 format by utilizing well known port 53	U.S.	12/854,871 8/11/2010	8204948 6/19/2012	Issued	Barracuda Networks, Inc.
Requesting a service or transmitting content as a domain name system resolver	U.S.	12/167,524 7/3/2008	8219644 7/10/2012	Issued	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
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.	12/497,564 7/3/2009	8280895 10/2/2012	Issued	Barracuda Networks, Inc.
Backup apparatus with higher security and lower network bandwidth consumption	U.S.	12/408,644 3/20/2009	8285997 10/9/2012	Issued	Barracuda Networks, Inc.
Port hopping and seek you peer to peer traffic control method and system	U.S.	12/907,573 10/19/2010	8434140 4/30/2013	Issued	Barracuda Networks, Inc.
State-maintained multi-party signatures	U.S.	12/859,738 8/19/2010	8443193 5/14/2013	Issued	Barracuda Networks, Inc.
Policy-managed DNS server for to control network traffic	U.S.	12/323,379 11/25/2008	8447856 5/21/2013	Issued	Barracuda Networks, Inc.
Method for measuring similarity of diverse binary objects comprising bit patterns	U.S.	12/839,307 7/20/2010	8463797 6/11/2013	Issued	Barracuda Networks, Inc.
Cloud based operating and virtual file system	U.S.	13/031,628 2/22/2011	8527549 9/3/2013	Issued	Barracuda Networks, Inc.
Directory authentication method for policy driven web filtering	U.S.	12/784,497 5/21/2010	8555365 10/8/2013	Issued	Barracuda Networks, Inc.
Transmission apparatus for VPN optimization by defragmentation and deduplication and method	U.S.	13/166,808 6/23/2011	8559450 10/15/2013	Issued	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Reception apparatus for VPN optimization by defragmentation and deduplication and method	U.S.	13/166,807 6/23/2011	8571042 10/29/2013	Issued	Barracuda Networks, Inc.
Client-server transactional pre-archival apparatus	U.S.	13/246,834 9/27/2011	8725704 5/13/2014	Issued	Barracuda Networks, Inc.
Apparatus, and system for determining and cautioning users of internet connected clients of potentially malicious software and method for operating such	U.S.	13/091,293 4/21/2011	8726384 5/13/2014	Issued	Barracuda Networks, Inc.
Distributed frequency data collection via indicator embedded with DNS request	U.S.	12/610,511 11/2/2009	8775604 7/8/2014	Issued	Barracuda Networks, Inc.
Recalling spam email or viruses from inboxes	U.S.	12/409,504 3/24/2009	8788597 7/22/2014	Issued	Barracuda Networks, Inc.
More elegant exastore apparatus and method of operation	U.S.	13/246,386 9/27/2011	8788831 7/22/2014	Issued	Barracuda Networks, Inc.
Method for detecting malicious javascript	U.S.	13/152,269 6/3/2011	8789178 7/22/2014	Issued	Barracuda Networks, Inc.
Transmission apparatus operation for VPN optimization by defragmentation and deduplication method	U.S.	13/960,607 8/6/2013	8831030 9/9/2014	Issued	Barracuda Networks, Inc.
Secure remote support automation process	U.S.	11/844,348 8/23/2007	8838965 9/16/2014	Issued	Barracuda Networks, Inc.
Distributed frequency data collection via DNS networking	U.S.	12/610,505 11/2/2009	8843612 9/23/2014	Issued	Barracuda Networks, Inc.


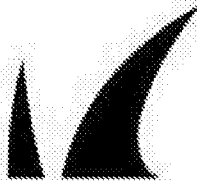

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Method for measuring similarity of diverse binary objects comprising bit patterns	U.S.	13/682,714 11/20/2012	8849836 9/30/2014	Issued	Barracuda Networks, Inc.
System, method and computer readable medium for file management	U.S.	13/726,643 12/26/2012	8977661 3/10/2015	Issued	Barracuda Networks, Inc.
Configuring a plurality of diverse devices/services from an adaptive configuration control hyper-server apparatus	U.S.	13/225,428 9/3/2011	9021017 4/28/2015	Issued	Barracuda Networks, Inc.
Organizing file events by their hierarchical paths for multi-threaded synch and parallel access system, apparatus, and method of operation	U.S.	13/928,092 6/26/2013	9152466 10/6/2015	Issued	Barracuda Networks, Inc.
Log access method storage control apparatus, archive system, and method of operation	U.S.	13/921,089 6/18/2013	9195668 11/24/2015	Issued	Barracuda Networks, Inc.
Encrypting files within a cloud computing environment	U.S.	13/726,641 12/26/2012	9262643 2/16/2016	Issued	Barracuda Networks, Inc.
Distributed encryption and access control scheme in a cloud environment	U.S.	14/203,683 3/11/2014	9373001 6/21/2016	Issued	Barracuda Networks, Inc.
Deployment of branded software	U.S.	13/920,682 6/18/2013	9465598 10/11/2016	Issued	Barracuda Networks, Inc.
Method and apparatus for bulk authentication and load balancing of networked appliances	U.S.	14/858,943 9/18/2015	9680818 6/13/2017	Issued	Barracuda Networks, Inc.

Title	Jurisdiction	Application No./ Filing Date	Patent No./ Issue Date	Status	Grantor
Method and system for arbitrating computer resources in a cloud computing environment	U.S.	14/338,808 7/23/2014	9755988 9/5/2017	Issued	Barracuda Networks, Inc.

**SCHEDULE B**

**TRADEMARKS**

Mark	Jurisdiction	Serial No./ Filing Date	Registration No./ Registration Date	Status	Grantor
BARRACUDA	U.S.	86355055 8/1/2014	4715332 4/7/2015	Registered	Barracuda Networks, Inc.
BARRACUDA and Design 	U.S.	86221855 3/14/2014	4605554 9/16/2014	Registered	Barracuda Networks, Inc.
BARRACUDA NETWORKS	U.S.	86720141 8/10/2015	4922692 3/22/2016	Registered	Barracuda Networks, Inc.
BARRACUDA NETWORKS	U.S.	77757198 6/11/2009	3866379 10/26/2010	Registered	Barracuda Networks, Inc.
CLOUDGEN	U.S.	87517711 7/6/2017	—	Pending Intent to Use	Barracuda Networks, Inc.
COPY and Design 	U.S.	85650871 6/13/2012	4356741 6/25/2013	Registered	Barracuda Networks, Inc.
CUDADRIVE	U.S.	86727438 8/17/2015	4926991 3/29/2016	Registered	Barracuda Networks, Inc.
CUDAEYE	U.S.	86058317 9/6/2013	4505463 4/1/2014	Registered	Barracuda Networks, Inc.
CUDAEYE and Design 	U.S.	86058325 9/6/2013	4505464 4/1/2014	Registered	Barracuda Networks, Inc.
CUDAMAIL	U.S.	87310786 1/23/2017	—	Pending Intent to Use	Barracuda Networks, Inc.
CUDASIGN	U.S.	86727325 8/17/2015	4926979 3/29/2016	Registered	Barracuda Networks, Inc.

Mark	Jurisdiction	Serial No./ Filing Date	Registration No./ Registration Date	Status	Grantor
CUDATEL	U.S.	86058307 9/6/2013	4505462 4/1/2014	Registered	Barracuda Networks, Inc.
CUDATEL and Design 	U.S.	86058302 9/6/2013	4505461 4/1/2014	Registered	Barracuda Networks, Inc.
Design only 	U.S.	86178196 1/29/2014	4612911 9/30/2014	Registered	Barracuda Networks, Inc.
Design only 	U.S.	86058295 9/6/2013	4505460 4/1/2014	Registered	Barracuda Networks, Inc.
EON	U.S.	85900809 4/10/2013	4487468 2/25/2014	Registered	Barracuda Networks, Inc.
EON and Design 	U.S.	85900835 4/10/2013	4436392 11/19/2013	Registered	Barracuda Networks, Inc.
INTELLIBLOX	U.S.	77706867 4/3/2009	3698676 10/20/2009	Registered	Barracuda Networks, Inc.
INTRONIS	U.S.	77706868 4/3/2009	3698677 10/20/2009	Registered	Barracuda Networks, Inc.
NOTARYNOW	U.S.	85331524 5/26/2011	4254724 12/4/2012	Registered	Barracuda Networks, Inc.
RECLAIM YOUR NETWORK	U.S.	86068595 9/18/2013	4521617 4/29/2014	Registered	Barracuda Networks, Inc.
SOOKASA	U.S.	86605274 4/21/2015	5101151 12/13/2016	Registered	Barracuda Networks, Inc.



Mark	Jurisdiction	Serial No./ Filing Date	Registration No./ Registration Date	Status	Grantor
DISCOVER STOR	U.S.	85957406 6/12/2013	4587074 8/19/2014	Registered	Barracuda Networks, Inc.
SONIAN	U.S.	87426171 4/26/2017	5349567 12/5/2017	Registered	Barracuda Networks, Inc.
VIEW	U.S.	86369226 8/18/2014	5186880 4/18/2017	Registered	Barracuda Networks, Inc.

**SCHEDULE C**

**COPYRIGHTS**

Title	Registration No.	Registration Date	Grantor
Yosemite backup.	TX0006574697	05/21/2007	Barracuda Networks, Inc.
TapeWare+ device utilities.	TX0003259181	02/10/1992	Barracuda Networks, Inc.