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UNITED STATES DISTRICT COURT

NORTHERN DISTRICT OF CALIFORNIA

OAKLAND DIVISION

FINJAN LLC,	Case No. 14-cv-04908-PJH
Plaintiff,	**FINJAN LLC'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT**
v.	**DEMAND FOR JURY TRIAL**
PALO ALTO NETWORKS, INC.,	
Defendant.	Hon. Phyllis J. Hamilton Ctrm: 3, 3rd Floor

AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Finjan LLC (f/k/a Finjan, Inc.) ("Finjan") files this Complaint for Patent Infringement and Jury Demand against Defendant Palo Alto Networks, Inc. ("Defendant" or "Palo Alto Networks") and alleges as follows:

THE PARTIES

1.   Finjan is a Delaware limited liability company, with its principal place of business at 2000 University Avenue, Suite 600, East Palo Alto, California 94303. Finjan's U.S. operating business was previously headquartered at 2025 Gateway Place, San Jose, California 95110.

2.   Palo Alto Networks is a Delaware corporation with its principal place of business at 3000 Tannery Way, Santa Clara, California 95054.

JURISDICTION AND VENUE

3.   This action arises under the Patent Act, 35 U.S.C. § 101 *et seq*. This Court has original jurisdiction over this controversy pursuant to 28 U.S.C. §§ 1331 and 1338.

4.   Venue is proper in this Court pursuant to 28 U.S.C. §§ 1391(b) and (c) and/or 1400(b).

5.   This Court has personal jurisdiction over Defendant. Upon information and belief, Defendant does business in this District and has, and continues to, infringe and/or induce the infringement in this District. Defendant also markets its products primarily in and from this District. Palo Alto Networks availed itself of the jurisdiction of Northern California in *Palo Alto Networks, Inc. v. Juniper Networks, Inc.*, 5:13-cv-4510 (PSG), case. In addition, the Court has personal jurisdiction over Defendant because it has established minimum contacts with the forum and the exercise of jurisdiction would not offend traditional notions of fair play and substantial justice.

INTRADISTRICT ASSIGNMENT

6.   Pursuant to Local Rule 3-2(c), Intellectual Property Actions are assigned on a district-wide basis.

FINJAN'S INNOVATIONS

7.   Finjan was founded in 1997 as a wholly-owned subsidiary of Finjan Software Ltd., an Israeli corporation. Finjan was a pioneer in developing proactive security technologies capable of detecting previously unknown and emerging online security threats recognized today under the umbrella of "malware." These technologies protect networks and endpoints by identifying suspicious patterns and behaviors of content delivered over the Internet. Finjan has been awarded numerous patents covering its innovations in the United States and around the world resulting directly from Finjan's more than decade-long research, $65 million investment, and development efforts, supported by a dozen inventors.

8.   Finjan built and sold software, including application programing interfaces, and appliances for network security using these patented technologies. These products and customers of such products continue to be supported by Finjan's licensing partners. At its height, Finjan employed nearly 150 employees around the world building and selling security products and operating the Malicious Code Research Center through which it frequently published research regarding network security and current threats on the Internet. Finjan's pioneering approach to online security drew equity investments from two major software and technology companies, the first in 2005, followed by the second in 2006. Through 2009, Finjan had generated millions of dollars in product sales and related services and support revenues.

9.   Until it was privately acquired in July of 2020, Finjan's founder and original investors were still involved with and invested in the company. Finjan is currently a technology company that applies its know-how and intellectual property derived from its research, development, knowledge, and experience with security technologies to evaluate and enter into strategic partnerships with other companies in the security space.

10.   On October 12, 2004, U.S. Patent No. 6,804,780 ("the '780 Patent"), entitled SYSTEM AND METHOD FOR PROTECTING A COMPUTER AND A NETWORK FROM

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   HOSTILE DOWNLOADABLES, was issued to Shlomo Touboul. A true and correct copy of

2   the '780 Patent is attached to this Complaint as Exhibit 1 and is incorporated by reference

3   herein.

4   11.   All rights, title, and interest in the '780 Patent have been assigned to Finjan,

5   which is the sole owner of the '780 Patent. Finjan has been the sole owner of the '780 Patent

6   since its issuance.

7   12.   The '780 Patent is generally directed towards methods and systems for generating a

8   Downloadable ID. By generating an identification for each examined Downloadable, the system

9   may allow for the Downloadable to be recognized without reevaluation. Such recognition

10   increases efficiency while also saving valuable resources, such as memory and computing power.

11   13.   On August 26, 2008, U.S. Patent No. 7,418,731 ("the '731 Patent"), entitled

12   METHOD AND SYSTEM FOR CACHING AT SECURE GATEWAYS, was issued to

13   Shlomo Touboul. A true and correct copy of the '731 Patent is attached to this Complaint as

14   Exhibit 2 and is incorporated by reference herein.

15   14.   All rights, title, and interest in the '731 Patent have been assigned to Finjan, who

16   is the sole owner of the '731 Patent. Finjan has been the sole owner of the '731 Patent since its

17   issuance.

18   15.   The '731 Patent is generally directed towards methods and systems for enabling

19   policy-based cache management to determine if digital content is allowable relative to a policy.

20   One of the ways this is accomplished is scanning digital content to derive a content profile,

21   including at least one computer command the content would perform, and determining whether

22   the digital content is allowable for a policy based on the content profile.

23   16.   On November 3, 2009, U.S. Patent No. 7,613,926 ("the '926 Patent"), entitled

24   METHOD AND SYSTEM FOR PROTECTING A COMPUTER AND A NETWORK FROM

25   HOSTILE DOWNLOADABLES, was issued to Yigal Mordechai Edery, Nimrod Itzhak Vered,

26   David R. Kroll, and Shlomo Touboul. A true and correct copy of the '926 Patent is attached to

27   this Complaint as Exhibit 3 and is incorporated by reference herein.

28

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                FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

17.   All rights, title, and interest in the '926 Patent have been assigned to Finjan, which is the sole owner of the '926 Patent. Finjan has been the sole owner of the '926 Patent since its issuance.

18.   The '926 Patent generally covers a method and system for protecting a computer and a network from hostile downloadables. The claims generally cover performing hashing on a downloadable in order to generate a downloadable ID, retrieving security profile data, and transmitting an appended downloadable.

19.   On January 12, 2010, U.S. Patent No. 7,647,633 ("the '633 Patent"), entitled MALICIOUS MOBILE CODE RUNTIME MONITORING SYSTEM AND METHODS, was issued to Yigal Mordechai Edery, Nimrod Itzhak Vered, David R. Kroll, and Shlomo Touboul. A true and correct copy of the '633 Patent is attached to this Complaint as Exhibit 4 and is incorporated by reference herein.

20.   All rights, title, and interest in the '633 Patent have been assigned to Finjan, who is the sole owner of the '633 Patent. Finjan has been the sole owner of the '633 Patent since its issuance.

21.   The '633 Patent is generally directed towards computer networks, and more particularly, provides a system that protects devices connected to the Internet from undesirable operations from web-based content. One of the ways this is accomplished is by determining whether any part of such web-based content can be executed and then trapping such content and neutralizing possible harmful effects using mobile protection code.

22.   On March 20, 2012, U.S. Patent No. 8,141,154 ("the '154 Patent"), entitled SYSTEM AND METHOD FOR INSPECTING DYNAMICALLY GENERATED EXECUTABLE CODE, was issued to David Gruzman and Yuval Ben-Itzhak. A true and correct copy of the '154 Patent is attached to this Complaint as Exhibit 5 and is incorporated by reference herein.

23.   All rights, title, and interest in the '154 Patent have been assigned to Finjan, who is the sole owner of the '154 Patent. Finjan has been the sole owner of the '154 Patent since its issuance.

1   24.   The '154 Patent is generally directed towards a gateway computer for protecting

2   client computer from dynamically generated malicious content. One way this is accomplished

3   is to use a content processor to process a first function and invoke a second function if a

4   security computer indicates that it is safe to invoke the second function.

5   25.   On July 17, 2012, U.S. Patent No. 8,225,408 ("the '408 Patent"), entitled

6   METHOD AND SYSTEM FOR ADAPTIVE RULE-BASED CONTENT SCANNERS, was

7   issued to Moshe Rubin, Moshe Matitya, Artem Melnick, Shlomo Touboul, Alexander

8   Yermakov, and Amit Shaked. A true and correct copy of the '408 Patent is attached to this

9   Complaint as Exhibit 6 and is incorporated by reference herein.

10   26.   All rights, title, and interest in the '408 Patent have been assigned to Finjan, who

11   is the sole owner of the '408 Patent. Finjan has been the sole owner of the '408 Patent since its

12   issuance.

13   27.   The '408 Patent is generally directed towards network security and, in particular,

14   rule-based scanning of web-based content for a variety of exploits written in different

15   programming languages. One of the ways this is accomplished is by expressing the exploits as

16   patterns of tokens. Additionally, the system provides a way to analyze these exploits by using a

17   parse tree.

18   28.   On March 18, 2014, U.S. Patent No. 8,677,494 ("the '494 Patent"), entitled

19   MALICIOUS MOBILE CODE RUNTIME MONITORING SYSTEM AND METHODS, was

20   issued to Yigal Mordechai Edery, Nimrod Itzhak Vered, David R. Kroll, and Shlomo Touboul.

21   A true and correct copy of the '494 Patent is attached to this Complaint as Exhibit 7 and is

22   incorporated by reference herein.

23   29.   All rights, title, and interest in the '494 Patent have been assigned to Finjan, who

24   is the sole owner of the '494 Patent. Finjan has been the sole owner of the '494 Patent since its

25   issuance.

26   30.   The '494 Patent is generally directed towards a method and system for deriving

27   security profiles and storing the security profiles. The claims generally cover deriving a security
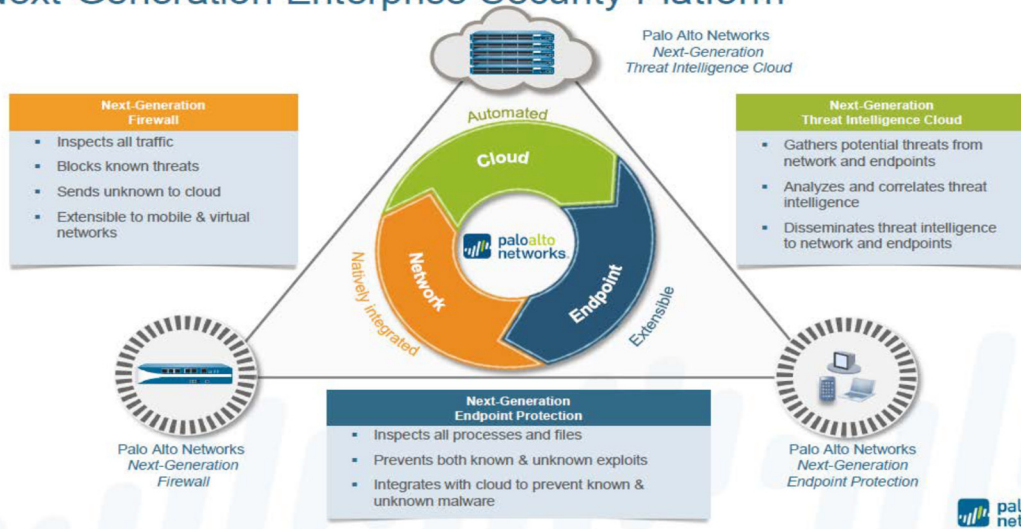
28

1 profile for a downloadable, which includes a list of suspicious computer operations, and storing

2 the security profile in a database.

3 **PALO ALTO NETWORKS**

4 　　　31.　　Palo Alto Networks makes, uses, sells, offers for sale, and/or imports into the

5 United States and this District products and services that utilize the Next Generation Enterprise

6 Security Platform, App-ID, User-ID, Content-ID, WildFire, Next-Generation Intelligence

7 Cloud, and Targeted Remote Attack Prevention System ("TRAPS" also spelled as "Traps"),

8 including but not limited to, Next-Generation Security Platform, Next-Generation Firewall,

9 Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription,

10 Threat Prevention Subscription, and Advanced EndPoint Protection.

11 　　　32.　　Palo Alto Networks' products fall under the umbrella of Next-Generation

12 Security Platform, which is also known as Next-Generation Enterprise Security Platform. This

13 Next-Generation Security Platform is an ecosystem consisting of four segments of products

14 including Cloud, Network, Security Subscriptions, and Endpoint. The Cloud segment consists

15 of WildFire, Palo Alto Network Next-Generation Threat Intelligence Cloud, WildFire Cloud, or

16 Wild Fire Next-Generation Threat Intelligence Cloud and is integrated into all Palo Alto

17 Networks security products. The Network segment consists of the Next-Generation Firewall

18 and Virtualized Firewall products. The Subscription segment consists of Threat Prevention,

19 URL Filtering, Global Protect and WildFire Subscription. The Endpoint segment consists of the

20 Advanced Endpoint Protection products. Shown below is a diagram of Palo Alto Networks

21 Next-Generation Security platform:

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http://investors.paloaltonetworks.com/phoenix.zhtml?c=251350&p=irol-irhome (attached as Exhibit 8).

33.   In addition to the Next-Generation Threat Intelligence Cloud technology Palo Alto Networks Next Generation Firewall Technology consists of App-ID, User-ID, Content-ID, and WildFire.

34.   App-ID identifies applications that traverse a network which is the first task that Palo Alto Networks Next-Generation Firewall executes. App-ID can use up to four different techniques to identify the application. These include application signatures, SSL and SSH Decryption, Application Protocol Decoding, and Heuristics. When traffic first enters the network, App-ID applies an initial policy check based on IP protocol and port. Signatures are then applied to the traffic to identify the application based on application properties and related transaction characteristics. If the traffic is encrypted and a decryption policy is in place, the application is first decrypted, then application signatures are applied. Additional context-based signature analyses are then performed to identify re-encrypted content before being sent back into the network. For evasive applications that cannot be identified through advanced signature and protocol analysis, heuristics or behavioral analyses are used to determine the identity of the application. When an application is accurately identified during this series of successive techniques, the policy check determines how to treat the application and associated functions.

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1 The policy check can block the application, allow it and scan for threats, inspect it for

2 unauthorized file transfer and data patterns, or shape its use of network resources by applying a

3 quality-of-service policy. *See* https://www.paloaltonetworks.com/resources/techbriefs/app-id-

4 techbrief.html, (attached as Exhibit 9) and Palo Alto Networks Form 10-K at 5-6 (attached as

5 Exhibit 10).

6   35.   User-ID integrates with directories and terminal service to identify users and

7 groups and ties them to policies. Different events can be used to map the user's identity which

8 include, but are not limited to, authentication events, user authentication, terminal services

9 monitoring, client probing, directory services and XML Application Programming Interface.

10 User-ID agent communicates with the domain controllers, directories, or supported enterprise

11 applications, mapping information such as user, role, and current IP address to the firewall,

12 making the policy integration transparent. In cases where user repository information does not

13 include the current IP address of the user, a transparent, captive portal authentication or

14 challenge/response mechanism can be used to tie users to the security policy. In cases where a

15 user repository or application is in place that already has knowledge of users and their current

16 IP address, a standards-based application programming interface can be used to tie the

17 repository to its platform. *See* https://www.paloaltonetworks.com/resources/techbriefs/user-id-

18 tech-brief.html (attached as Exhibit 11); Palo Alto Networks Form 10-K at 5-6 (attached as
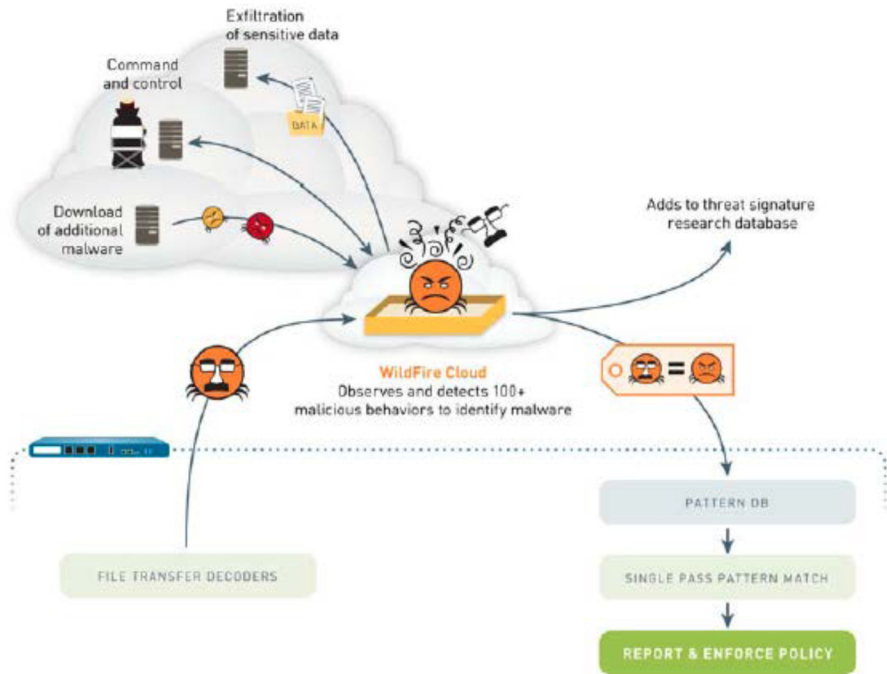
19 Exhibit 10).

20   36.   Content ID is a collection of technologies that enable multiple Palo Alto

21 Networks subscription services. Content ID combines a Threat Prevention engine, URL

22 filtering, and file and data filtering. The Threat Prevention engine is mainly comprised of anti-

23 malware/anti-spyware and an Intrusion Protection System ("IPS"). The anti-malware will scan

24 a packet when it is first received looking for a variety of executables, PDF files, HTML, and

25 JavaScript viruses. The anti-spyware will also block attempts from spyware trying phone-home

26 or beacon out to external command and control servers. There are various levels of protection

27 than can be applied to the spyware security policy. Threat Prevention may also be combined

28 with the cloud based WildFire engine to additionally detect unknown and targeted malware that

1   may have no known signatures. The IPS protects against vulnerability exploits, buffer

2   overflows, DoS attacks and port scans. IPS portion of Threat Prevention has protocol decoders

3   and anomaly detection, stateful pattern matching, statistical anomaly detection, heuristic-based

4   analysis, invalid or malformed packet detection, IP defragmentation and TCP reassembly, and

5   custom vulnerability and spyware phone-home signatures. *See*

6   https://www.paloaltonetworks.com/resources/techbriefs/content-id-tech-brief.html (attached as

7   Exhibit 12) and Getting_Started_Guide_PAN-OSv5.0_revC.pdf (attached as Exhibit 13).

8   37.   Wildfire is Palo Alto Networks' cloud-based protection feature that is sold on a

9   subscription basis and is also the name for a technology that benefits nearly all the Palo Alto

10 Networks products. Wildfire can also be known as WildFire Next-Generation Threat

11 Intelligence Cloud or just Next-Generation Threat Intelligence Cloud. Wildfire may also be

12 platform based in lieu of cloud based which utilizes the WF-500 appliance.

13   38.   One function of Wildfire is to identify malware by observing the behavior of the

14 suspect file instead of relying solely on pre-existing signatures. Palo Alto Networks' firewalls

15 are configured to send files to Wildfire based on the policy. Whenever a file is transferred over

16 a session that matches a security rule with a forwarding profile, the firewall checks with

17 WildFire to see if the file is new. If the file is new, the firewall automatically forwards the file

18 to WildFire, even if it is contained within a ZIP file or over compressed HTTP. The firewall

19 can also be configured to forward files inside of decrypted SSL sessions. When WildFire

20 receives the file, it analyzes it in its virtualized sandbox to determine if the file exhibits signs of

21 malicious behaviors, changes to browser security settings, injection of code into other

22 processes, modification of files in the Windows system folder, or domains that the sample may

23 have visited. Once WildFire completes the analyses, detailed forensics report is generated that

24 summarizes the activities performed by the sample on the host and the network and

25 automatically assigns a verdict of malware or benign. In addition, when the WildFire engine

26 identifies a sample as malware, it passes it to the WildFire signature generator, which

27 automatically generates a signature based on the malware payload of the sample. WildFire is

28 also part of the WildFire Next-Generation Threat Intelligence Cloud's intelligence which

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

informs the protections of Palo Alto Networks other security services for all customers. See

https://www.paloaltonetworks.com/content/dam/paloaltonetworks-

com/en_US/assets/pdf/whitepapers/whitepaper-wildfire.pdf (attached as Exhibit 14). Shown
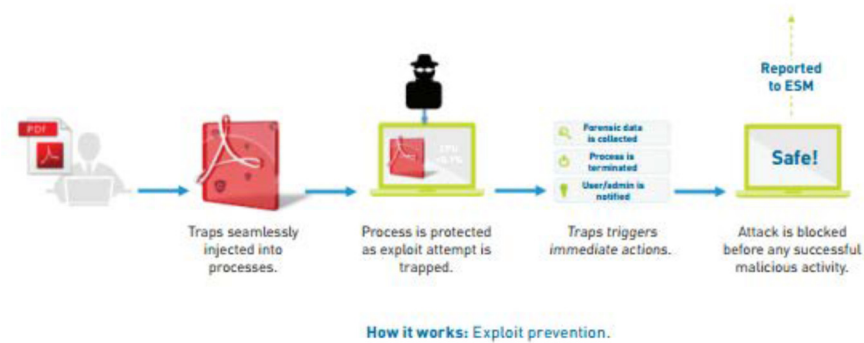
below is a diagram depicting the WildFire cloud:

https://www.paloaltonetworks.com/content/dam/paloaltonetworks-

com/en_US/assets/pdf/whitepapers/threat-visibility-for-government-networks.pdf (attached as

Exhibit 15).

> 39.   Palo Alto Networks deploys the REST Management Application Programming
Interface. The XML-based REST Application Programming Interface is provided as a web
service that is implemented using HTTP/HTTPS requests and responses. The Application
Programming Interface allows access to several types of data in order to be integrated with and
used in other systems. The different Application Programming Interface requests that can be
done are Key Generation, Device Configuration, Operational Commands, Commit
Configuration, Reporting, Exporting files, Importing files, Retrieving logs, and Set or Get User-
ID mapping. The User-ID Application Programming Interface /Mapping allows one to import
user data for external sources. This can include user defined scripts as well as partner

integrations. *See* https://live.paloaltonetworks.com/docs/DOC-4126 (attached as Exhibit 16)

and https://live.paloaltonetworks.com/docs/DOC-5939 (attached as Exhibit 17).

40.   Targeted Remote Attack Prevention System ("TRAPS" also spelled as "Traps")

in Advanced Endpoint Protection protects endpoint through the use a series of exploit

prevention modules aimed at mitigating and blocking different exploit techniques. When an

application is opened, TRAPS injects prevention modules into the process. The TRAPS will

also collect detailed forensics and report that information. TRAPS will also query the WildFire

threat cloud with a hash to determine if the file is malicious, benign, or unknown within the

global threat community. Shown below is a flow chart of the process TRAPS uses:

How it works: Exploit prevention.

https://www.paloaltonetworks.com/resources/datasheets/endpoint-protection.html (attached as

Exhibit 18).

41.   Further, as stated in Palo Alto Networks' SEC filings, TRAPS is technology that

Palo Alto Networks acquired from the company, Cyvera Ltd. ("Cyvera"). Palo Alto Networks

completed an acquisition of Cyvera on April 9, 2014 for approximately $177,647,000 in cash

and stock. Palo Alto Networks has been and is currently integrating Cyvera's technology into

its own product lines, including those mentioned above.

http://investors.paloaltonetworks.com/phoenix.zhtml?c=251350&p=irol-sec (attached as

Exhibit 19) and http://investors.paloaltonetworks.com/phoenix.zhtml?c=251350&p=irol-irhome

(attached as Exhibit 8).

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   42.   Over the years since this case was filed in 2014, Palo Alto Networks has updated

2   its security platform names, marketing strategies, and product groupings, but the underlying

3   product offerings and their general operation have remained largely the same. Palo Alto

4   Networks now breaks its network security products into three main categories: (1) Strata; (2)

5   Prisma; and (3) Cortex. Palo Alto Networks makes, uses, sells, offers for sale, and/or imports

6   into the United States and this District at least the following products and services.

7   43.   The Strata family of products generally pertains to network security, and

8   includes at least the following products that Palo Alto Networks describes as follows:

9 / 10 / 11 / 12
- CN-Series ("A containerized NGFW that prevents sophisticated network-based threats from spreading across Kubernetes namespace boundaries."), *see* https://www.paloaltonetworks.com/products/products-a-z (attached as Exhibit 20);

13 / 14
- DNS Security ("A cloud-delivered service that applies predictive analytics to disrupts attacks that use DNS for C2 or data theft as they occur."), *see id.*;

15 / 16
- GlobalProtect ("Network security client for endpoints that protects mobile users, regardless of location."), *see id.*;

17 / 18
- IOT Security ("The industry's only complete IoT security product with visibility, prevention and enforcement for every IoT and OT device.") *see id.*;

19 / 20 / 21
- Next-Generation Firewalls ("Industry-leading family of physical, virtualized, and containerized firewalls that leverage machine learning for proactive protection."), *see id.*;

22 / 23
- PA-Series ("Our award-winning family of physical NGFW appliances are the first to leverage machine learning for proactive protection."), *see id.*;

24 / 25 / 26
- Panorama ("Centralized network security management solution for your Palo Alto Networks Next-Generation Firewalls—all form factors and all locations."), *see id.*;

27 / 28
- Threat Prevention ("Advanced intrusion prevention system (IPS) that inspects all traffic for threats and automatically blocks known vulnerabilities."), *see id.*;

- URL Filtering ("Cloud-delivered web security that protects against web-based threats such as phishing, malware and command-and-control."), *see id.*;

- WildFire ("Industry's leading advanced malware analysis engine that identifies and protects against unknown file-based threats."), *see id.*

44.   The accused Strata products include at least CN-Series, Next-Generation Firewalls, PA-Series, Threat Prevention, URL Filtering, and WildFire (hereinafter the "Strata Products").

45.   The Prisma family of products generally pertains to cloud security, and includes at least the following products that Palo Alto Networks describes as follows:

- Prisma Access ("A secure access service edge (SASE) solution for networking and security in a purpose-built cloud-delivered infrastructure."), *see* Ex. 20 (*https://www.paloaltonetworks.com/products/products-a-z*);

- Prisma Cloud ("Cloud native security. Comprehensive. Full lifecycle. For any cloud."), *see id.*;

- Prisma SAAS ("Comprehensive visibility, security and compliance across the industry's range of SAAS applications and data."), *see id.*;

- VM-Series ("Virtual firewalls that leverage agile, inline network security and threat prevention to consistently protect public and private clouds."), *see id.*

46.   The accused Prisma products include at least VM-Series (hereinafter the "Prisma Products").

47.   The Cortex family of products generally pertain to security operations, and includes at least the following products that Palo Alto Networks describes as follows:

- Autofocus Threat Intelligence ("Your one-stop shop for threat intelligence powered by WildFire to deliver unrivaled context for investigation, prevention and response."), *see* Ex. 20 (*https://www.paloaltonetworks.com/products/products-a-z*);

- Cortex Data Lake ("Collect, transform and integrate your enterprise's security data to enable Palo Alto Networks solutions."), *see id.*;

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1

- Cortex XDR ("The industry's most comprehensive extended detection and

2

response platform that runs on integrated endpoint, network and cloud data to

3

prevent, detect, and remediate threats."), *see id.*;

4

- Cortex XSOAR ("The industry's only extended security orchestration,

5

automation and response platform with native threat intelligence management."),

6

see id.

7   48.   The accused Cortex products include at least Cortex XDR (which now includes

8 Traps) (hereinafter the "Cortex Products").

9   49.   The Palo Alto Networks products accused of infringement in this case span from

10 the products described in the original Complaint through the present versions of those products

11 as described above and further extend to any future or unreleased products that infringe the

12 asserted patents. Palo Alto Networks publishes end-of-life data for the accused products, and

13 Finjan alleges infringement by the intermediate product versions contained there from inception

14 of the Complaint to present ("PAN-OS & Panorama"; "Traps, ESM and Cortex XDR Agent";

15 "GlobalProtect"; "BrightCloud Subscription"; "VM-Series Models"; "WildFire Release

16 Listing"; "Hardware"). *See* https://www.paloaltonetworks.com/services/support/end-of-life-

17 announcements/end-of-life-summary (attached as Exhibit 21);

18 https://www.paloaltonetworks.com/services/support/end-of-life-announcements/hardware-end-

19 of-life-dates.html (attached as Exhibit 22); https://docs.paloaltonetworks.com/wildfire/u-

20 v/wildfire-whats-new/wildfire-release-history/wildfire-release-

21 listing.html#id181TG050D2G%3E (attached as Exhibit 23). Based on Finjan's present

22 understanding, the different versions of the accused products that have existed during the

23 course of this case include the same or similar infringing features, and operate in the same

24 manner. Accordingly, Palo Alto Networks has been on notice of and has had knowledge of the

25 Asserted Patents, and knew that its existing products and ongoing product releases infringe and

26 continued to infringe the Asserted Patents.

27

28

PALO ALTO NETWORKS' INFRINGEMENT OF FINJAN'S PATENTS

50.   Defendant has infringed the '780 Patent, the '731 Patent, the '926 Patent, the '633 Patent, and the '494 Patent and has been and is now infringing the '154 Patent and the '408 Patent (collectively "the Asserted Patents") in this judicial District, and elsewhere in the United States by, among other things, making, using, importing, selling, and/or offering for sale the claimed system and methods on the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex Products.

51.   In addition to directly infringing the Asserted Patents pursuant to 35 U.S.C. § 271(a), either literally or under the doctrine of equivalents, or both, Defendant has indirectly infringed the '780 Patent, the '731 Patent, the '926 Patent, the '633 Patent, and the '494 Patent and has been and is now indirectly infringing the '154 Patent and the '408 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or requiring others, including its users and developers, to perform all or some of the steps of the method claims, either literally or under the doctrine of equivalents, or both, of the Asserted Patents. Palo Alto Networks has had knowledge of the Asserted Patents and has had knowledge of its inducement since at least as early as the original Complaint was filed in November 2014.

COUNT I

(Direct Infringement of the '780 Patent pursuant to 35 U.S.C. § 271(a))

52.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

53.   Defendant has infringed one or more claims of the '780 Patent in violation of 35 U.S.C. § 271(a).

54.   Defendant's infringement is based upon literal infringement or infringement under the doctrine of equivalents, or both.

55.   Defendant's acts of making, using, importing, selling, and/or offering for sale infringing products and services have been without the permission, consent, authorization, or license of Finjan.

56.   Defendant's infringement includes, but is not limited to, the manufacture, use, sale, importation and/or offer for sale of Defendant's products and services, including, but not limited to, the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex Products (the "'780 Patent Accused Products"), and which embody the patented invention of the '780 Patent.

57.   Defendant's infringement of the '780 Patent has injured Finjan in an amount to be proven at trial.

58.   Defendant is well aware of Finjan's patents, including the '780 Patent, and has continued its infringing activity despite this knowledge. Finjan informed Defendant of its infringement of the '780 Patent on or about October 4, 2013, and provided a representative claim chart specifically identifying how Defendant's products and services infringe. Finjan attempted unsuccessfully to actively engage in good faith negotiations for over a year with Defendant regarding Finjan's patent portfolio, including providing additional representative claim charts for different patents and identifying Defendant's infringement. Further, Finjan met via teleconference with Defendant's Director of Intellectual Property Strategy, Michael Ritter, on September 26, 2014, to engage in a technical discussion regarding infringement of Defendant's products and services. Despite knowledge of Finjan's patent portfolio, being provided representative claim charts of several Finjan patents, including the '780 Patent, and engaging in a technical meeting regarding infringement of Defendant's products and services, Defendant has refused to enter into good faith discussions with Finjan, in complete disregard of Finjan's patent rights, and has sold and continues to sell the accused products and services. Even after receiving Finjan's original Complaint for patent infringement, Defendant continued to release new versions of the '780 Patent Accused Products with the same or similar infringing

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   functionality while the case was stayed. As such, Defendant has acted recklessly and continues

2   to willfully, wantonly, and deliberately engage in acts of infringement of the '780 Patent,

3   justifying an award to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees

4   and costs incurred under 35 U.S.C. § 285.

5   **COUNT II**

6   **(Indirect Infringement of the '780 Patent pursuant to 35 U.S.C. § 271(b))**

7   59.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

8   herein, the allegations of the preceding paragraphs, as set forth above.

9   60.   Defendant has induced infringement of at least claims 1-8 and 16 of the '780

10   Patent under 35 U.S.C. § 271(b).

11   61.   In addition to directly infringing the '780 Patent, Defendant has indirectly

12   infringed the '780 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or

13   requiring others, including but not limited to its customers, users and developers, to perform

14   one or more of the steps of the method claims, either literally or under the doctrine of

15   equivalents, of the '780 Patent, where all the steps of the method claims are performed by either

16   Palo Alto Networks, its customers, users or developers, or some combination thereof.

17   Defendant knew or was willfully blind to the fact that it was inducing others, including

18   customers, users and developers, to infringe by practicing, either themselves or in conjunction

19   with Defendant, one or more method claims of the '780 Patent.

20   62.   Defendant knowingly and actively aided and abetted the direct infringement of

21   the '780 Patent by instructing and encouraging its customers, users and developers to use the

22   '780 Patent Accused Products. Such instructions and encouragement include, but are not

23   limited to, advising third parties to use the '780 Patent Accused Products in an infringing

24   manner, providing a mechanism through which third parties may infringe the '780 Patent,

25   specifically through the use of the '780 Patent Accused Products, advertising and promoting the

26   use of the '780 Patent Accused Products in an infringing manner, and distributing guidelines

27   and instructions to third parties on how to use the '780 Patent Accused Products in an

28   infringing manner.

63.   Palo Alto Networks provides detailed instructions to its customers and users regarding all aspects of the '780 Patent Accused Products. These instructions can be found at https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

64.   Palo Alto Networks itself and through its authorized partners regularly provides or has provided classroom style training, demonstrations, and certification programs to help users use the '780 Patent Accused Products, including the following:

- Palo Alto Networks Essentials 1, where "[s]uccessful completion of this three day, instructor led course will enable the student to install, configure, and manage the entire line of Palo Alto Networks Next-Generation firewalls." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf /datasheets/education/5.0-essentials-1.pdf (attached as Exhibit 25);

- Palo Alto Network Essentials 2, which "Firewall Management expands on 201 course topics, while introducing many new features and functions of Palo Alto Networks Next-Generation firewalls." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf /datasheets/education/5.0-essentials-2.pdf (attached as Exhibit 26);

- Accredited Configuration Engineer ("ACE"), where "[t]he primary goal of the ACE exam is to serve as an objective indication of your ability to configure Palo Alto Networks firewalls using the PAN-OS." https://www.paloaltonetworks.com/services/education/ace.html (attached as Exhibit 27);

- Certified Network Security Engineer ("CNSE") exam and study materials which upon successful passing indicate an in-depth engineering level knowledge of how to install, configure, and implement Palo Alto Network products. The study materials consist of 32 technical documents which cover detailed aspects of the Palo Alto Networks Next-Generation Firewall. https://www.paloaltonetworks.com/services/education/cnse.html (attached as Exhibit 28);

1   65.   Palo Alto Networks also offers a range of consulting services where

2   "[e]xperienced consultants from Palo Alto Networks provide on-site personalized assistance to

3   create the optimal implementation for your business." *See*

4   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/servic

5   es/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

6   66.   The consulting services further provide for employee and customer testing, setup

7   and running the '780 Patent Accused Products including the following:

8   •   Remote Installation of Software where Palo Alto Networks "offer(s)

9   Remote Install with Baseline Threat Protection . . . to quickly (and properly) install the

10   next-generation firewall."

11   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf

12   /services/Consulting%20Services%20Overview.pdf (attached as Exhibit 29);

13   •   Palo Alto Networks also offers "experienced consultants will apply their

14   extensive knowledge of Palo Alto Networks next-generation firewalls and best practices

15   to identify recommended changes."

16   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf

17   /services/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

18   67.   Palo Alto Networks provides on-demand video demonstrations on how to

19   configure and use the Next-Generation Firewall and Virtualized Firewalls.

20   https://www.paloaltonetworks.com/resources/demos/ngfw-overview-and-demo.html (attached

21   as Exhibit 30).

22   68.   Palo Alto Networks provides technical documentation, administrators guides,

23   hardware guides, and getting started guides. These documents instruct users on ways to

24   configure and operate the Next-Generation Firewalls and Virtualized Firewalls.

25   https://live.paloaltonetworks.com/community/documentation (attached as Exhibit 31).

26   69.   Palo Alto Networks provides the webcast "Threat Review Series: Combining the

27   Power of App-ID with Wildfire." This webcast discusses how users should leverage the App-

28   ID technology with WildFire in order to get heightened protection against malware.

1 https://www.paloaltonetworks.com/resources/webcasts/trs-combining-the-power-of-app-id-

2 withwildfire.html (attached as Exhibit 32).

3   70.   Palo Alto Networks includes the XML-based REST Application Programming

4 Interface in PAN-OS. The Application Programming Interface allows access to several types of

5 data by third parties. This data can be integrated and used in other systems such as User-ID

6 Application Programming Interface partnering with third parties.

7 https://live.paloaltonetworks.com/docs/DOC-5939 (attached as Exhibit 17).

8   71.   Defendant is well aware of Finjan's patents, including the '780 Patent, and has

9 continued its infringing activity despite this knowledge. Finjan informed Defendant of its

10 infringement of the '780 Patent on or about October 4, 2013, and provided a representative

11 claim chart specifically identifying how Defendant's products and services infringe. Finjan

12 attempted unsuccessfully to actively engage in good faith negotiations for over a year with

13 Defendant regarding Finjan's patent portfolio, including providing additional representative

14 claim charts for different patents and identifying Defendant's infringement. Further, Finjan met

15 via teleconference with Defendant's Director of Intellectual Property Strategy, Michael Ritter,

16 on September 26, 2014, to engage in a technical discussion regarding infringement of

17 Defendant's products and services. Despite knowledge of Finjan's patent portfolio, being

18 provided representative claim charts of several Finjan patents, including of the '780 Patent, and

19 engaging in a technical meeting regarding infringement of Defendant's products and services,

20 Defendant has refused to enter into good faith discussions with Finjan, in complete disregard of

21 Finjan's patent rights, and has sold and continues to sell the accused products and services.

22 Even after receiving Finjan's original Complaint for patent infringement, Defendant continued

23 to release new versions of the '780 Patent Accused Products with the same or similar infringing

24 functionality while the case was stayed. As such, Defendant has acted recklessly and continues

25 to willfully, wantonly, and deliberately engage in acts of infringement of the '780 Patent,

26 justifying an award to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees

27 and costs incurred under 35 U.S.C. § 285.

28

72.   Defendant has had knowledge of the '780 Patent at least as of October 4, 2013, and by continuing the actions described above, has had the specific intent to or was willfully blind to the fact that its actions would induce infringement of the '780 Patent.

73.   Palo Alto Networks actively and intentionally maintains websites, including Palo Alto Networks Services and its ancillary components Solution Assurance, Education, Support and Consulting, to promote the '780 Patent Accused Products, and to encourage potential customers, users and developers to use the '780 Patent Accused Products in the manner described by Finjan. https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

74.   Palo Alto Networks actively updates its websites, including Palo Alto Networks Services and its ancillary components Solution Assurance, Education, Support, and Consulting, to promote the Palo Alto '780 Patent Accused Products, to encourage customers, users and developers to practice the methods claimed in the '780 Patent. *See* https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

75.   Palo Alto Networks has been on notice of its inducement since at least as early as the original Complaint filed on November 4, 2014, and continued to induce infringement.

COUNT III

(Direct Infringement of the '731 Patent pursuant to 35 U.S.C. § 271(a))

76.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

77.   Defendant has infringed one or more claims of the '731 Patent in violation of 35 U.S.C. § 271(a).

78.   Defendant's infringement is based upon literal infringement or infringement under the doctrine of equivalents, or both.

79.   Defendant's acts of making, using, importing, selling, and/or offering for sale infringing products and services have been without the permission, consent, authorization, or license of Finjan.

80.   Defendant's infringement includes, but is not limited to, the manufacture, use, sale, importation and/or offer for sale of Defendant's products and services, including but not limited to the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex Products (the "'731 Patent Accused Products") which embody the patented invention of the '731 Patent.

81.   Defendant's infringement of the '731 Patent has injured Finjan in an amount to be proven at trial.

82.   Defendant is well aware of Finjan's patents, and has been aware of the '731 patent since at least June 20, 2014. Finjan's claim chart for the '731 Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's '731 Patent. Even after receiving Finjan's original Complaint for patent infringement, Defendant continued to release new versions of the '731 Patent Accused Products with the same or similar infringing functionality while the case was stayed. As such, Defendant has acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of infringement of the '731 Patent, justifying an award to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

<div align="center">

COUNT IV

(Indirect Infringement of the '731 Patent pursuant to 35 U.S.C. § 271(b))

</div>

83.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

84.   Defendant has induced infringement of at least claims 7-12, 14-16, and 20-21 of the '731 Patent under 35 U.S.C. § 271(b).

85.   In addition to directly infringing the '731 Patent, Defendant has indirectly infringed the '731 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1 requiring others, including but not limited to its customers, users and developers, to perform

2 one or more of the steps of the method claims, either literally or under the doctrine of

3 equivalents, of the '731 Patent, where all the steps of the method claims are performed by either

4 Palo Alto Networks, or its customers, users or developers, or some combination thereof.

5 Defendant knew or was willfully blind to the fact that it was inducing others, including

6 customers, users and developers, to infringe by practicing, either themselves or in conjunction

7 with Defendant, one or more method claims of the '731 Patent.

8   86.   Defendant knowingly and actively aided and abetted the direct infringement of

9 the '731 Patent by instructing and encouraging its customers, users and developers to use the

10 '731 Patent Accused Products Such instructions and encouragement include, but are not limited

11 to, advising third parties to use the '731 Patent Accused Products in an infringing manner,

12 providing a mechanism through which third parties may infringe the '731 Patent, specifically

13 through the use of the '731 Patent Accused Products, advertising and promoting the use of the

14 '731 Patent Accused Products in an infringing manner, and distributing guidelines and

15 instructions to third parties on how to use the '731 Patent Accused Products in an infringing

16 manner.

17   87.   Palo Alto Networks provides detailed instruction to its customers and users

18 regarding all aspects of the '731 Patent Accused Products including, but not limited to, Policy

19 Control, on device cache, Policy Control, on-device cache, App-ID Content-ID and User-ID.

20 These instructions can be found at https://www.paloaltonetworks.com/customers.html (attached

21 as Exhibit 24).

22   88.   Palo Alto Networks provides on-demand video demonstrations on how to

23 configure and use the Next-Generation Firewall and Virtualized Firewall. This video can be

24 found at https://www.paloaltonetworks.com/resources/demos/ngfw-overview-and-demo.html

25 (attached as Exhibit 30).

26   89.   Palo Alto Networks provides technical documentation, administrators guides,

27 hardware guides and getting started guides. These documents instruct users on ways to

28 configure and operate the Next-Generation Firewall and Virtualized Firewall. This

1   documentation and guides can be found at

2   https://live.paloaltonetworks.com/community/documentation (attached as Exhibit 31). These

3   documents include:

4   •   The "Next-Generation Firewalls for Dummies" guide. This guide gives a

5   background to the threat landscape, the challenges of the current threat landscape, in-

6   depth discussion on how Next-Generation Firewalls addresses current threat, and then

7   how to deploy and safely enable the Next-Generation Firewalls in one's organization.

8   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf

9   /education/NGFW_dummies.pdf (attached as Exhibit 34);

10   •   The "Getting Started Guide" for PAN-OS 5.0. This guide provides

11   details on how to active Threat Prevention, URL Filtering, Global Protect and other

12   services. The guide also instructs user how to set the security profiles for Threat

13   Prevention including Content-ID and WildFire.

14   https://live.paloaltonetworks.com/docs/DOC-4214 (attached as Exhibit 13).

15   90.   Palo Alto Networks publishes and provides videos to its customer, including

16   "Application Visibility and Control." This guide provides how to use the application visibility

17   more effectively and can be found at

18   https://www.paloaltonetworks.com/resources/demos/applicationvisibility-and-control.html

19   (attached as Exhibit 35).

20   91.   Palo Alto Networks publishes and provides to its customers the "Threat

21   Prevention Deployment Tech Note." This guide instructs users on how to configure and

22   implement App-ID, Content-ID, File Blocking, URL Filtering, and other Palo Alto Networks

23   technology. *See* https://live.paloaltonetworks.com/docs/DOC-3094 (attached as Exhibit 36).

24   92.   Palo Alto Networks provides the functionalities of policy control and promotes

25   the use of policy control on its website.

26   https://www.paloaltonetworks.com/products/features/policycontrol.html (attached as Exhibit

27   37).

28

                              24   Case No. 14-cv-04908-PJH
                 FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   93.   Defendant is well aware of Finjan's patents, and has been aware of the '731

2   patent since at least June 20, 2014. Finjan's claim chart for the '731 Patent is confidential. As

3   such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential

4   nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its

5   infringing activity without a good faith effort to assure Finjan that it was not infringing Finjan's

6   '731 Patent. Even after receiving Finjan's original Complaint for patent infringement,

7   Defendant continued to release new versions of the '731 Patent Accused Products with the

8   same or similar infringing functionality while the case was stayed. As such, Defendant has

9   acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

10   infringement of the '731 Patent, justifying an award to Finjan of increased damages under 35

11   U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

12   94.   Defendant has had knowledge of the '731 Patent at least as of June 20, 2014 and

13   by continuing the actions described above, has had the specific intent to or was willfully blind

14   to the fact that its actions would induce infringement of the '731 Patent.

15   95.   Palo Alto Networks actively and intentionally maintains websites, including

16   Palo Alto Networks Services and its ancillary components Solution Assurance, Education,

17   Support and Consulting, to promote the Palo Alto '731 Patent Accused Products and to

18   encourage potential customers, users and developers to use the '731 Patent Accused Products in

19   the manner described by Finjan. See https://www.paloaltonetworks.com/services.html (attached

20   as Exhibit 30).

21   96.   Palo Alto Networks actively updates its websites, including Palo Alto Networks

22   Services and its ancillary components Solution Assurance, Education, Support and Consulting,

23   to promote the Palo Alto '731 Patent Accused Products including, but not limited to, Palo Alto

24   Networks Policy Control, on-device cache, Policy Control, on-device cache, App-ID Content-

25   ID and User-ID, to encourage customers, users and developers to practice the methods claimed

26   in the '731 Patent. *See* https://www.paloaltonetworks.com/services.html (attached as Exhibit

27   33).

28

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

97.   Palo Alto Networks has been on notice of its inducement since at least as early as the original Complaint filed on November 4, 2014, and has continued to induce infringement.

COUNT V

(Direct Infringement of the '926 Patent pursuant to 35 U.S.C. § 271(a))

98.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

99.   Defendant has infringed one or more claims of the '926 Patent in violation of 35 U.S.C. § 271(a).

100.   Defendant's infringement is based upon literal infringement or infringement under the doctrine of equivalents, or both.

101.   Defendant's acts of making, using, importing, selling, and/or offering for sale infringing products and services have been without the permission, consent, authorization or license of Finjan.

102.   Defendant's infringement includes, but is not limited to, the manufacture, use, sale, importation and/or offer for sale of Defendant's products and services, including, but not limited to, the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex Products (the "'926 Patent Accused Products") which embody the patented invention of the '926 Patent.

103.   Defendant's infringement of the '926 Patent has injured Finjan in an amount to be proven at trial.

104.   Defendant is well aware of Finjan's patents and has continued its infringing activity despite this knowledge. Finjan's claim chart for the '926 Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its

1   infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's

2   '926 Patent. Even after receiving Finjan's original Complaint for patent infringement,

3   Defendant continued to release new versions of the '926 Patent Accused Products with the

4   same or similar infringing functionality while the case was stayed. As such, Defendant has

5   acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

6   infringement of the '926 Patent, justifying an award to Finjan of increased damages under 35

7   U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

8   **COUNT VI**

9   **(Indirect Infringement of the '926 Patent pursuant to 35 U.S.C. § 271(b))**

10   105.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

11   herein, the allegations of the preceding paragraphs, as set forth above.

12   106.   Defendant has induced infringement of at least claims 1-7 and 15-21 of the '926

13   Patent under 35 U.S.C. § 271(b).

14   107.   In addition to directly infringing the '926 Patent, Defendant has indirectly

15   infringed the '926 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or

16   requiring others, including, but not limited to its customers, users and developers, to perform

17   one or more of the steps of the method claims, either literally or under the doctrine of

18   equivalent, or both, of the '926 Patent, where all the steps of the method claims are performed

19   by either Palo Alto Networks or its customers, users or developers, or some combination

20   thereof. Defendant knew or was willfully blind to the fact that it was inducing others, including

21   customers, users and developers, to infringe by practicing, either themselves or in conjunction

22   with Defendant, one or more method claims of the '926 Patent.

23   108.   Defendant knowingly and actively aided and abetted the direct infringement of

24   the '926 Patent by instructing and encouraging its customers, users and developers to use '926

25   Patent Accused Products. Such instructions and encouragement include, but are not limited to,

26   advising third parties to use the '926 Patent Accused Products in an infringing manner,

27   providing a mechanism through which third parties may infringe the '926 Patent, specifically

28   through the use of the '926 Patent Accused Products, advertising and promoting the use of the

'926 Patent Accused Products in an infringing manner, and distributing guidelines and instructions to third parties on how to use the '926 Patent Accused Products in an infringing manner.

109.   Palo Alto Networks provides detailed instruction to its customers and users regarding all aspects of the '926 Patent Accused Products including, but not limited to, App-ID, User-ID, Content-ID and WildFire. These instructions can be found at https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

110.   Palo Alto Networks itself and through its authorized partners regularly provides classroom style training, demonstrations, and certification programs to help users use the '926 Patent Accused Products, including the following:

• Palo Alto Networks Essentials 1, where "[s]uccessful completion of this three day, instructor led course will enable the student to install, configure, and manage the entire line of Palo Alto Networks Next-Generation firewalls." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/datasheets/education/5.0-essentials-1.pdf (attached as Exhibit 25);

• Palo Alto Network Essentials 2, which "Firewall Management expands on 201 course topics, while introducing many new features and functions of Palo Alto Networks Next-Generation firewalls." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/datasheets/education/5.0-essentials-2.pdf (attached as Exhibit 26);

• Accredited Configuration Engineer ("ACE"), where "[t]he primary goal of the ACE exam is to serve as an objective indication of your ability to configure Palo Alto Networks firewalls using the PAN-OS." https://www.paloaltonetworks.com/services/education/ace.html (attached as Exhibit 27);

• Certified Network Security Engineer ("CNSE") exam and study materials which upon successful passing indicate an in-depth engineering level knowledge of how to install, configure, and implement Palo Alto Network products. The study materials consist of 32 technical documents which cover detailed aspects of the Palo Alto Networks Next-

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Generation Firewall. https://www.paloaltonetworks.com/services/education/cnse.html (attached as Exhibit 28).

111.   Palo Alto Networks also offers a range of consulting services where "[e]xperienced consultants from Palo Alto Networks provide on-site personalized assistance to create the optimal implementation for your business." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/servic es/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

112.   The consulting services further provide for employee and customer testing, setup and running the '926 Patent Accused Products including the following:

- Remote Installation of Software where Palo Alto Networks "offer(s) Remote Install with Baseline Threat Protection . . . to quickly (and properly)install the next generation firewall." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf /services/Consulting%20Services%20Overview.pdf (attached as Exhibit 29);

- Palo Alto Networks also offers "experienced consultants will apply their extensive knowledge of Palo Alto Networks next-generation firewalls and best practices to identify recommended changes." https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf /services/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

113.   Palo Alto Networks provides on-demand video demonstrations on how to configure and use the Next-Generation Firewall and Virtualized Firewalls. The video can be viewed at https://www.paloaltonetworks.com/resources/demos/ngfw-overview-and-demo.html (attached as Exhibit 30).

114.   Palo Alto Networks provides technical documentation, administrators guides, hardware guides and getting started guides. These documents instruct users on ways to configure and operate the '926 Patent Accused Products. https://live.paloaltonetworks.com/community/documentation (attached as Exhibit 31).

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   115.   Defendant is well aware of Finjan's patents and has continued its infringing

2 activity despite this knowledge. Finjan's claim chart for the '926 Patent is confidential. As

3 such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential

4 nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its

5 infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's

6 '926 Patent. Even after receiving Finjan's original Complaint for patent infringement,

7 Defendant continued to release new versions of the '926 Patent Accused Products with the

8 same or similar infringing functionality while the case was stayed. As such, Defendant has

9 acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

10 infringement of the '926 Patent, justifying an award to Finjan of increased damages under 35

11 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

12   116.   Defendant has had knowledge of the '926 Patent at least as of the time it learned

13 of this action for infringement and by continuing the actions described above, has had the

14 specific intent to or was willfully blind to the fact that its actions would induce infringement of

15 the '926 Patent.

16   117.   Palo Alto Networks actively and intentionally maintains websites, including

17 Palo Alto Networks Services and its ancillary components Solution Assurance, Education,

18 Support and Consulting, to promote the Palo Alto Networks '926 Patent Accused Products and

19 to encourage potential customers, users and developers to use the '926 Patent Accused Products

20 in the manner described by Finjan. https://www.paloaltonetworks.com/services.html (attached

21 as Exhibit 33).

22   118.   Palo Alto Networks actively updates its websites, including Palo Alto Networks

23 Services and its ancillary components Solution Assurance, Education, Support and Consulting,

24 to promote the Palo Alto Networks '926 Patent Accused Products including, but not limited to,

25 Palo Alto Networks Content-ID, User-ID, App-ID and WildFire, to encourage customers, users

26 and developers to practice the methods claimed in the '926 Patent.

27 https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

28

1   119.   Palo Alto Networks has been on notice of its inducement since at least as early

2 as the original Complaint filed on November 4, 2014, and has continued to induce

3 infringement.

COUNT VII

(Direct Infringement of the '633 Patent pursuant to 35 U.S.C. § 271(a))

6   120.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

7 herein, the allegations of the preceding paragraphs, as set forth above.

8   121.   Defendant has infringed one or more claims of the '633 Patent in violation of 35

9 U.S.C. § 271(a).

10   122.   Defendant's infringement is based upon literal infringement or infringement

11 under the doctrine of equivalents, or both.

12   123.   Defendant's acts of making, using, importing, selling, and/or offering for sale

13 infringing products and services have been without the permission, consent, authorization or

14 license of Finjan.

15   124.   Defendant's infringement includes, but is not limited to, the manufacture, use,

16 sale, importation and/or offer for sale of Defendant's products and services, including but not

17 limited to the Next-Generation Security Platform, Next-Generation Firewall, Virtualized

18 Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat

19 Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and

20 Cortex Products (the "'633 Patent Accused Products") which embody the patented invention of

21 the '633 Patent.

22   125.   Defendant's infringement of the '633 Patent has injured Finjan in an amount to

23 be proven at trial.

24   126.   Defendant is well aware of Finjan's patents and has continued its infringing

25 activity despite this knowledge. Finjan's claim chart for the '633 Patent is confidential. As such

26 Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential nature of

27 its analysis. Defendant refused to sign the agreement stating that it wanted to keep the

28 possibilities open to start a litigation. Defendant has continued its infringing activity without a

1 good faith effort to assure Finjan that it is not infringing Finjan's '633 Patent. Even after

2 receiving Finjan's original Complaint for patent infringement, Defendant continued to release

3 new versions of the '633 Patent Accused Products with the same or similar infringing

4 functionality while the case was stayed. As such, Defendant has acted recklessly and continues

5 to willfully, wantonly, and deliberately engage in acts of infringement of the '633 Patent,

6 justifying an award to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees

7 and costs incurred under 35 U.S.C. § 285.

8 ### COUNT VIII

9 **(Indirect Infringement of the '633 Patent pursuant to 35 U.S.C. § 271(b))**

10 127.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

11 herein, the allegations of the preceding paragraphs, as set forth above.

12 128.   Defendant has induced infringement of at least claims 5-7, 14-20, 28-33, and 42-

13 43 of the '633 Patent under 35 U.S.C. § 271(b).

14 129.   In addition to directly infringing the '633 Patent, Defendant has indirectly

15 infringed the '633 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or

16 requiring others, including but not limited to its customers, users and developers, to perform

17 one or more of the steps of the method claims, either literally or under the doctrine of

18 equivalents, or both, of the '633 Patent, where all the steps of the method claims are performed

19 by either Palo Alto Networks, its customers, users or developers, or some combination thereof.

20 Defendant knew or was willfully blind to the fact that it was inducing others, including

21 customers, users and developers, to infringe by practicing, either themselves or in conjunction

22 with Defendant, one or more method claims of the '633 Patent.

23 130.   Defendant knowingly and actively aided and abetted the direct infringement of

24 the '633 Patent by instructing and encouraging its customers, users and developers to use the

25 '633 Patent Accused Products. Such instructions and encouragement include, but are not

26 limited to, advising third parties to use the '633 Patent Accused Products in an infringing

27 manner, providing a mechanism through which third parties may infringe the '633 Patent,

28 specifically through the use of the '633 Patent Accused Products, advertising and promoting the

use of the '633 Patent Accused Products in an infringing manner, and distributing guidelines and instructions to third parties on how to use the '633 Patent Accused Products in an infringing manner.

131.   Palo Alto Networks provides detailed instruction to its customers and users regarding all aspects of the '633 Patent Accused Products including, but not limited to, App-ID, User-ID, Content-ID and Threat Prevention. These instructions can be found at https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

132.   Palo Alto Networks provides on-demand video demonstrations on how to configure and use the Next-Generation Firewall. These video can be found at https://www.paloaltonetworks.com/resources/demos/ngfw-overview-and-demo.html (attached as Exhibit 30).

133.   Palo Alto Networks provides technical documentation, administrators guides, hardware guides and getting started guides. These documents instruct users on ways to configure and operate the '633 Patent Accused Products. https://live.paloaltonetworks.com/community/documentation (attached as Exhibit 31). These documents include:

- The "Next-Generation Firewalls for Dummies" guide. This guide gives a background to the threat landscape, the challenges of the current threat landscape, in-depth discussion on how Next-Generation Firewalls addresses current threat, and then how to deploy and safely enable the Next-Generation Firewalls in one's organization. https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/education/NGFW_dummies.pdf (attached as Exhibit 34);

- The "Getting Started Guide" for PAN-OS 5.0. This guide provides details on how to active Threat Prevention, URL Filtering, Global Protect and other services. The guide also instructs user how to set the security profiles for Threat Prevention including Content-ID and WildFire. https://live.paloaltonetworks.com/docs/DOC-4214 (attached as Exhibit 13).

1   134.   Palo Alto Networks publishes and provides to its customers the "Threat

2   Prevention Deployment Tech Note." This guide provides instructs user on how to configure and

3   implement App-ID, Content-ID, File Blocking, URL Filtering, and other Palo Alto Networks

4   technology. This guide can be found at https://live.paloaltonetworks.com/docs/DOC-3094

5   (attached as Exhibit 36).

6   135.   Defendant is well aware of Finjan's patents and has continued its infringing

7   activity despite this knowledge. Finjan's claim chart for the '633 Patent is confidential. As

8   such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential

9   nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its

10 infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's

11 '633 Patent. Even after receiving Finjan's original Complaint for patent infringement,

12 Defendant continued to release new versions of the '633 Patent Accused Products with the

13 same or similar infringing functionality while the case was stayed. As such, Defendant has

14 acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

15 infringement of the '633 Patent, justifying an award to Finjan of increased damages under 35

16 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

17   136.   Defendant has had knowledge of the '633 Patent at least as of the time it learned

18 of this action for infringement and by continuing the actions described above, has had the

19 specific intent to or was willfully blind to the fact that its actions would induce infringement of

20 the '633 Patent.

21   137.   Palo Alto Networks actively and intentionally maintains its websites, including

22 Palo Alto Networks Services and its ancillary components Solution Assurance, Education,

23 Support and Consulting, to promote the Palo Alto Networks '633 Patent Accused Products and

24 to encourage potential customers, users and developers to use the '633 Patent Accused Products

25 in the manner described by Finjan. https://www.paloaltonetworks.com/services.html (attached

26 as Exhibit 33).

27   138.   Palo Alto Networks actively updates its websites, including Palo Alto Networks

28 Services and its ancillary components Solution Assurance, Education, Support and Consulting,

1 to promote the Palo Alto Networks '633 Patent Accused Products including, but not limited to,

2 the Palo Alto Networks Content-ID, User-ID, App-ID, and Threat Prevention, to encourage

3 customers, users and developers to practice the methods claimed in the '633 Patent.

4 https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

5   139.   Palo Alto Networks has been on notice of its inducement since at least as early

6 as the original Complaint filed on November 4, 2014, and has continued to induce

7 infringement.

COUNT IX

(Direct Infringement of the '154 Patent pursuant to 35 U.S.C. § 271(a))

10   140.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

11 herein, the allegations of the preceding paragraphs, as set forth above.

12   141.   Defendant has infringed and continues to infringe one or more claims of the

13 '154 Patent in violation of 35 U.S.C. § 271(a).

14   142.   Defendant's infringement is based upon literal infringement or infringement

15 under the doctrine of equivalents, or both.

16   143.   Defendant's acts of making, using, importing, selling, and/or offering for sale

17 infringing products and services have been without the permission, consent, authorization or

18 license of Finjan.

19   144.   Defendant's infringement includes, but is not limited to, the manufacture, use,

20 sale, importation and/or offer for sale of Defendant's products and services, including but not

21 limited to, Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall,

22 WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention

23 Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex

24 Products (the "'154 Patent Accused Products") all which embody the patented invention of the

25 '154 Patent.

26   145.   As a result of Defendant's unlawful activities, Finjan has suffered and will

27 continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly,

28 Finjan is entitled to preliminary and/or permanent injunctive relief.

1   146.   Defendant's infringement of the '154 Patent has injured and continues to injure

2 Finjan in an amount to be proven at trial.

3   147.   Defendant is well aware of Finjan's patents, and has been aware of the '154

4 patent since at least June 20, 2014. Finjan's claim chart for the '154 Patent is confidential. As

5 such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential

6 nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its

7 infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's

8 '154 Patent. Even after receiving Finjan's original Complaint for patent infringement,

9 Defendant continued to release new versions of the '154 Patent Accused Products with the

10 same or similar infringing functionality while the case was stayed. As such, Defendant has

11 acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

12 infringement of the '154 Patent, justifying an award to Finjan of increased damages under 35

13 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

COUNT X

(Indirect Infringement of the '154 Patent pursuant to 35 U.S.C. § 271(b))

16   148.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth

17 herein, the allegations of the preceding paragraphs, as set forth above.

18   149.   Defendant has induced and continues to induce infringement of at least claims 1-

19 12, of the '154 Patent under 35 U.S.C. § 271(b).

20   150.   In addition to directly infringing the '154 Patent, Defendant indirectly infringes

21 the '154 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or requiring others,

22 including but not limited to its customers, users and developers, to perform one or more of the

23 steps of the method claims, either literally or under the doctrine of equivalents, or both, of the

24 '154 Patent, where all the steps of the method claims are performed by either Palo Alto

25 Networks, its customers, users or developers, or some combination thereof. Defendant knew or

26 was willfully blind to the fact that it was inducing others, including customers, users and

27 developers, to infringe by practicing, either themselves or in conjunction with Defendant, one

28 or more method claims of the '154 Patent.

151.   Defendant knowingly and actively aided and abetted the direct infringement of the '154 Patent by instructing and encouraging its customers, users and developers to use the '154 Patent Accused Products. Such instructions and encouragement include, but are not limited to, advising third parties to use the '154 Patent Accused Products in an infringing manner, providing a mechanism through which third parties may infringe the '154 Patent, specifically through the use of the '154 Patent Accused Products, advertising and promoting the use of the '154 Patent Accused Products in an infringing manner, and distributing guidelines and instructions to third parties on how to use the '154 Patent Accused Products in an infringing manner.

152.   Palo Alto Networks provides detailed instruction to its customers and users regarding all aspects of the '154 Patent Accused Products including, but not limited to, App-ID, User-ID, and Content-ID. These instructions can be found at https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

153.   Palo Alto Networks runs the Palo Alto Academy which "creates partnerships with Colleges, Universities, and Technical Academic Institutes, so that Palo Alto Networks courses and technology can be taught and implemented as part of the curriculum." https://www.paloaltonetworks.com/services/education/authorized-academy-centers/about-the-aacprogram. html (attached as Exhibit 38). These institutions can gain an accreditation from Palo Alto Networks to become Authorized Academy Center ("ACC"). Palo Alto Networks provides the VM-100 at no charge and the access to Threat Prevention, URL Filtering, Global Protect, and Wildfire for a nominal fee to the ACC's. https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/datasheets/education/Authorized%20Academy%20Center.pdf (attached as Exhibit 39).

154.   Palo Alto Networks itself and through its authorized partners regularly provides classroom style training, demonstrations, and certification programs to help users use the '154 Patent Accused Products, including the following:

    •   Palo Alto Networks Essentials 1, where "[s]uccessful completion of this three day, instructor led course will enable the student to install, configure, and manage the entire line of Palo Alto Networks Next-Generation firewalls."

37   Case No. 14-cv-04908-PJH
FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

2   atasheets/education/5.0-essentials-1.pdf (attached as Exhibit 25);

3   •   Palo Alto Network Essentials 2, which "Firewall Management expands on

4   201 course topics, while introducing many new features and functions of Palo Alto

5   Networks Next-Generation firewalls."

6   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

7   atasheets/education/5.0-essentials-2.pdf (attached as Exhibit 26);

8   •   Palo Alto Networks Advanced Trouble Shooting, where students will

9   receive hands-on experience troubleshooting the security, networking, threat prevention,

10   logging, and reporting features of the Palo Alto Networks Operation System (PAN-OS).

11   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

12   atasheets/education/5.0-advanced-troubleshooting.pdf (attached as Exhibit 40);

13   •   Accredited Configuration Engineer ("ACE"), where "[t]he primary goal of

14   the ACE exam is to serve as an objective indication of your ability to configure Palo Alto

15   Networks firewalls using the PAN-OS."

16   https://www.paloaltonetworks.com/services/education/ace.html (attached as Exhibit 27).

17   155.   Palo Alto Networks also offers a range of consulting services where "[e]xperienced

18   consultants from Palo Alto Networks provide on-site personalized assistance to create the optimal

19   implementation for your business."

20   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/services/

21   Consulting%20Services%20Overview.pdf (attached as Exhibit 29). The consulting services

22   further provide for employee and customer testing, setup and running the '154 Patent Accused

23   Products which include:

24   •   Remote Installation of Software where Palo Alto Networks "offer(s)

25   Remote Install with Baseline Threat Protection . . . to quickly (and properly)install the

26   next-generation firewall."

27   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/se

28   rvices/Consulting%20Services%20Overview.pdf (attached as Exhibit 29);

1   •   Palo Alto Networks offering "experienced consultants will apply their

2   extensive knowledge of Palo Alto Networks next-generation firewalls and best practices to

3   identify recommended changes."

4   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/se

5   rvices/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

6   156.   Palo Alto Networks provides the "Next-Generation Firewalls for Dummies" guide.

7 This guide gives a background to the threat landscape, the challenges of the current threat

8 landscape, in-depth discussion on how Next-Generation Firewalls addresses current threats, and

9 then how to deploy and safely enable the Next-Generation Firewalls in one's organization.

10 https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/education

11 /NGFW_dummies.pdf (attached as Exhibit 34).

12   157.   Defendant is well aware of Finjan's patents, and has been aware of the '154 patent

13 since at least June 20, 2014. Finjan's claim chart for the '154 Patent is confidential. As such,

14 Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential nature of its

15 analysis. Defendant refused to sign the agreement. Defendant has continued its infringing activity

16 without a good faith effort to assure Finjan that it is not infringing Finjan's '154 Patent. Even after

17 receiving Finjan's original Complaint for patent infringement, Defendant continued to release new

18 versions of the '154 Patent Accused Products with the same or similar infringing functionality

19 while the case was stayed. As such, Defendant has acted recklessly and continues to willfully,

20 wantonly, and deliberately engage in acts of infringement of the '154 Patent, justifying an award

21 to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees and costs incurred

22 under 35 U.S.C. § 285.

23   158.   Defendant has had knowledge of the '154 Patent at least as of the time it learned of

24 this action for infringement and by continuing the actions described above, has had the specific

25 intent to or was willfully blind to the fact that its actions would induce infringement of the '154

26 Patent.

27   159.   Palo Alto Networks actively and intentionally maintains websites, including Palo

28 Alto Networks Services and its ancillary components Solution Assurance, Education, Support and

Consulting, to promote the Palo Alto Networks '154 Patent Accused Products and to encourage potential customers, users and developers to use the '154 Patent Accused Products in the manner described by Finjan. https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

160.   Palo Alto Networks actively updates its websites, including Palo Alto Networks Services and its ancillary components Solution Assurance, Education, Support and Consulting, to promote the Palo Alto '154 Patent Accused Products including, but not limited to, the Palo Alto Networks Content-ID, User-ID, and App-ID, to encourage customers, users and developers to practice the methods claimed in the '154 Patent. https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

161.   Palo Alto Networks has been on notice of its inducement since at least as early as the original Complaint filed on November 4, 2014, and has continued to induce infringement to present.

COUNT XI

(Direct Infringement of the '408 Patent pursuant to 35 U.S.C. § 271(a))

162.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

163.   Defendant has infringed and continues to infringe one or more claims of the '408 Patent in violation of 35 U.S.C. § 271(a).

164.   Defendant's infringement is based upon literal infringement or infringement under the doctrine of equivalents, or both.

165.   Defendant's acts of making, using, importing, selling, and/or offering for sale infringing products and services have been without the permission, consent, authorization or license of Finjan.

166.   Defendant's infringement includes, but is not limited to, the manufacture, use, sale, importation and/or offer for sale of Defendant's products and services, including but not limited to, the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall, WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

Cortex Products (the "'408 Patent Accused Products") which embody the patented invention of the '408 Patent.

167.   As a result of Defendant's unlawful activities, Finjan has suffered and will continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly, Finjan is entitled to preliminary and/or permanent injunctive relief.

168.   Defendant's infringement of the '408 Patent has injured and continues to injure Finjan in an amount to be proven at trial.

169.   Defendant is well aware of Finjan's patents. Finjan's claim chart for the '408 Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to maintain the confidential nature of its analysis. Defendant refused to sign the agreement. Defendant has continued its infringing activity without a good faith effort to assure Finjan that it is not infringing Finjan's '408 Patent. Even after receiving Finjan's original Complaint for patent infringement, Defendant continued to release new versions of the '408 Patent Accused Products with the same or similar infringing functionality while the case was stayed. As such, Defendant has acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of infringement of the '408 Patent, justifying an award to Finjan of increased damages under 35 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

COUNT XII

(Indirect Infringement of the '408 Patent pursuant to 35 U.S.C. § 271(b))

170.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein, the allegations of the preceding paragraphs, as set forth above.

171.   Defendant has induced and continues to induce infringement of at least claims 1-8 and 23-28, of the '408 Patent under 35 U.S.C. § 271(b).

172.   In addition to directly infringing the '408 Patent, Defendant indirectly infringes the '408 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or requiring others, including but not limited to its customers, users and developers, to perform one or more of the steps of the method claims, either literally or under the doctrine of equivalents, or both, of the '408 Patent, where all the steps of the method claims are performed by either Palo Alto

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   Networks, its customers, users or developers, or some combination thereof. Defendant knew or

2   was willfully blind to the fact that it was inducing others, including customers, users and

3   developers, to infringe by practicing, either themselves or in conjunction with Defendant, one

4   or more method claims of the '408 Patent.

5   173.   Defendant knowingly and actively aided and abetted the direct infringement of the

6   '408 Patent by instructing and encouraging its customers, users and developers to use the '408

7   Patent Accused Products. Such instructions and encouragement include, but are not limited to,

8   advising third parties to use the '408 Patent Accused Products in an infringing manner, providing

9   a mechanism through which third parties may infringe the '408 Patent, specifically through the use

10 of the '408 Patent Accused Products, advertising and promoting the use of the '408 Patent

11 Accused Products in an infringing manner, and distributing guidelines and instructions to third

12 parties on how to use the '408 Patent Accused Products in an infringing manner.

13   174.   Palo Alto Networks provides detailed instruction to its customers and users

14 regarding all aspects of the '408 Patent Accused Products including, but not limited to, App-ID,

15 User-ID, and Content-ID. These instructions can be found at

16 https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

17   175.   Palo Alto Networks runs the Palo Alto Academy which "creates partnerships with

18 Colleges, Universities, and Technical Academic Institutes, so that Palo Alto Networks courses and

19 technology can be taught and implemented as part of the curriculum."

20 https://www.paloaltonetworks.com/services/education/authorized-academy-centers/about-the-

21 aacprogram. html (attached as Exhibit 38). These institutions can gain an accreditation from Palo

22 Alto Networks to become Authorized Academy Center ("ACC"). Palo Alto Networks provides the

23 VM-100 at no charge and the access to Threat Prevention, URL Filtering, Global Protect, and

24 Wildfire for a nominal fee to the ACC's.

25 https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/datasheet

26 s/education/Authorized%20Academy%20Center.pdf (attached as Exhibit 39).

27   176.   Palo Alto Networks itself and through its authorized partners regularly provides

28 classroom style training, demonstrations, and certification programs to help users use the '408

1   Patent Accused Products, including the following:

2   • Palo Alto Networks Essentials 1, where "[s]uccessful completion of this

3   three day, instructor led course will enable the student to install, configure, and manage the

4   entire line of Palo Alto Networks Next-Generation firewalls."

5   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

6   atasheets/education/5.0-essentials-1.pdf (attached as Exhibit 25);

7   • Palo Alto Network Essentials 2, which "Firewall Management expands on

8   201 course topics, while introducing many new features and functions of Palo Alto

9   Networks Next-Generation firewalls."

10   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

11   atasheets/education/5.0-essentials-2.pdf (attached as Exhibit 26);

12   • Palo Alto Networks Advanced Trouble Shooting, where students will

13   receive hands-on experience troubleshooting the security, networking, threat prevention,

14   logging, and reporting features of the Palo Alto Networks Operation System (PAN-OS).

15   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/d

16   atasheets/education/5.0-advanced-troubleshooting.pdf (attached as Exhibit 40);

17   • Accredited Configuration Engineer ("ACE"), where "[t]he primary goal of

18   the ACE exam is to serve as an objective indication of your ability to configure Palo Alto

19   Networks firewalls using the PAN-OS."

20   https://www.paloaltonetworks.com/services/education/ace.html (attached as Exhibit 27).

21   177. Palo Alto Networks also offers a range of consulting services where "[e]xperienced

22   consultants from Palo Alto Networks provide on-site personalized assistance to create the optimal

23   implementation for your business."

24   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/services/

25   Consulting%20Services%20Overview.pdf (attached as Exhibit 29). The consulting services

26   further provide for employee and customer testing, setup and running the '408 Patent Accused

27   Products which include:

28   •   Remote Installation of Software where Palo Alto Networks "offer(s)

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   Remote Install with Baseline Threat Protection . . . to quickly (and properly)install the

2   next-generation firewall."

3   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/se

4   rvices/Consulting%20Services%20Overview.pdf (attached as Exhibit 29);

5   •   Palo Alto Networks offering "experienced consultants will apply their

6   extensive knowledge of Palo Alto Networks next-generation firewalls and best practices to

7   identify recommended changes."

8   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/se

9   rvices/Consulting%20Services%20Overview.pdf (attached as Exhibit 29).

10   178.   Palo Alto Networks provides the "Next-Generation Firewalls for Dummies" guide.

11   This guide gives a background to the threat landscape, the challenges of the current threat

12   landscape, in-depth discussion on how Next-Generation Firewalls addresses current threats, and

13   then how to deploy and safely enable the Next-Generation Firewalls in one's organization.

14   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/education

15   /NGFW_dummies.pdf (attached as Exhibit 34).

16   179.   Defendant is well aware of Finjan's patents. Finjan's claim chart for the '408

17   Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to

18   maintain the confidential nature of its analysis. Defendant refused to sign the agreement.

19   Defendant has continued its infringing activity without a good faith effort to assure Finjan that it is

20   not infringing Finjan's '408 Patent. Even after receiving Finjan's original Complaint for patent

21   infringement, Defendant continued to release new versions of the '408 Patent Accused Products

22   with the same or similar infringing functionality while the case was stayed. As such, Defendant

23   has acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

24   infringement of the '408 Patent, justifying an award to Finjan of increased damages under 35

25   U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

26   180.   Defendant has had knowledge of the '408 Patent at least as of the time it learned of

27   this action for infringement and by continuing the actions described above, has had the specific

28

1   intent to or was willfully blind to the fact that its actions would induce infringement of the '408

2   Patent.

3   181.   Palo Alto Networks actively and intentionally maintains websites, including Palo

4   Alto Networks Services and its ancillary components Solution Assurance, Education, Support and

5   Consulting, to promote the Palo Alto Networks '408 Patent Accused Products and to encourage

6   potential customers, users and developers to use the '408 Patent Accused Products in the manner

7   described by Finjan. https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

8   182.   Palo Alto Networks actively updates its websites, including Palo Alto Networks

9   Services and its ancillary components Solution Assurance, Education, Support and Consulting, to

10   promote the Palo Alto '408 Patent Accused Products including, but not limited to, the Palo Alto

11   Networks Content-ID, User-ID, and App-ID, to encourage customers, users and developers to

12   practice the methods claimed in the '408 Patent. https://www.paloaltonetworks.com/services.html

13   (attached as Exhibit 33).

14   183.   Palo Alto Networks has been on notice of its inducement since at least as early

15   as the original Complaint filed on November 4, 2014, and has continued to induce infringement

16   to present.

COUNT XIII

(Direct Infringement of the '494 Patent pursuant to 35 U.S.C. § 271(a))

19   184.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein,

20   the allegations of the preceding paragraphs, as set forth above.

21   185.   Defendant has infringed one or more claims of the '494 Patent in violation of 35

22   U.S.C. § 271(a).

23   186.   Defendant's infringement is based upon literal infringement or infringement under

24   the doctrine of equivalents, or both.

25   187.   Defendant's acts of making, using, importing, selling, and/or offering for sale

26   infringing products and services have been without the permission, consent, authorization or

27   license of Finjan.

28   188.   Defendant's infringement includes, but is not limited to, the manufacture, use, sale,

FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT

1   importation and/or offer for sale of Defendant's products and services, including, but not limited

2   to, the Next-Generation Security Platform, Next-Generation Firewall, Virtualized Firewall,

3   WildFire Subscription, WildFire Platform, URL Filtering Subscription, Threat Prevention

4   Subscription, Advanced EndPoint Protection, Strata Products, Prisma Products, and Cortex

5   Products (the "'494 Patent Accused Products") which embody the patented invention of the '494

6   Patent.

7   189.   Defendant's infringement of the '494 Patent has injured Finjan in an amount to be

8   proven at trial.

9   190.   Defendant is well aware of Finjan's patents. Finjan's claim chart for the '494

10   Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to

11   maintain the confidential nature of its analysis. Defendant refused to sign the agreement.

12   Defendant has continued its infringing activity without a good faith effort to assure Finjan that it is

13   not infringing Finjan's '494 Patent. Even after receiving Finjan's original Complaint for patent

14   infringement, Defendant continued to release new versions of the '494 Patent Accused Products

15   with the same or similar infringing functionality while the case was stayed. As such, Defendant

16   has acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

17   infringement of the '494 Patent, justifying an award to Finjan of increased damages under 35

18   U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

19   **COUNT XIV**

20   **(Indirect Infringement of the '494 Patent pursuant to 35 U.S.C. § 271(b))**

21   191.   Finjan repeats, realleges, and incorporates by reference, as if fully set forth herein,

22   the allegations of the preceding paragraphs, as set forth above.

23   192.   Defendant has induced infringement of at least claims 3-5, 7-9 of the '494 Patent

24   under 35 U.S.C. § 271(b).

25   193.   In addition to directly infringing the '494 Patent, Defendant indirectly infringes the

26   '494 Patent pursuant to 35 U.S.C. § 271(b) by instructing, directing and/or requiring others,

27   including, but not limited to, its customers, users and developers, to perform one or more of the

28   steps of the method claims, either literally or under the doctrine of equivalents, or both, of the '494

1   Patent, where all the steps of the method claims are performed by either Palo Alto Networks, its

2   customers, users or developers, or some combination thereof. Defendant knew or was willfully

3   blind to the fact that it was inducing others, including customers, users and developers, to infringe

4   by practicing, either themselves or in conjunction with Defendant, one or more method claims of

5   the '494 Patent.

6   194.   Defendant knowingly and actively aided and abetted the direct infringement of the

7   '494 Patent by instructing and encouraging its customers, users and developers to use the '494

8   Patent Accused Products. Such instructions and encouragement include, but are not limited to,

9   advising third parties to use the '494 Patent Accused Products in an infringing manner, providing

10   a mechanism through which third parties may infringe the '494 Patent, specifically through the use

11   of the '494 Patent Accused Products, advertising and promoting the use of the '494 Patent

12   Accused Products in an infringing manner, and distributing guidelines and instructions to third

13   parties on how to use the '494 Patent Accused Products in an infringing manner.

14   195.   Palo Alto Networks provides detailed instruction to its customers and users

15   regarding all aspects of the '494 Patent Accused Products. These instructions can be found at

16   https://www.paloaltonetworks.com/customers.html (attached as Exhibit 24).

17   196.   Palo Alto Networks provides on-demand video demonstrations on how to configure

18   and use the Next-Generation Firewall. This video can be viewed at

19   https://www.paloaltonetworks.com/resources/demos/ngfw-overview-and-demo.html (attached as

20   Exhibit 30).

21   197.   Palo Alto Networks provides technical documentation, administrators guides,

22   hardware guides and getting started guides. These documents instruct users on ways to configure

23   and operate the '494 Patent Accused Products.

24   https://live.paloaltonetworks.com/community/documentation (attached as Exhibit 31). These

25   documents include:

26   •   The "Next-Generation Firewalls for Dummies" guide. This guide gives a

27   background to the threat landscape, the challenges of the current threat landscape, in-depth

28   discussion on how Next-Generation Firewalls addresses current threat, and then how to

1   deploy and safely enable the Next-Generation Firewalls in one's organization.

2   https://www.paloaltonetworks.com/content/dam/paloaltonetworkscom/en_US/assets/pdf/e

3   ducation/NGFW_dummies.pdf (attached as Exhibit 34);

4   •   The "Getting Started Guide" for PAN-OS 5.0. This guide provides details

5   on how to active Threat Prevention, URL Filtering, Global Protect and other services. The

6   guide also instructs user how to set the security profiles for Threat Prevention including

7   Content-ID and WildFire. https://live.paloaltonetworks.com/docs/DOC-4214 (attached as

8   Exhibit 13);

9   •   The "WildFire Administrator's Guide" to its user on their website. This

10 guide shows users how to set the WildFire privilege levels as well as configure other

11 aspects of WildFire. https://live.paloaltonetworks.com/docs/DOC-5129 (attached as

12 Exhibit 41).

13 198.   Palo Alto Networks provides the webcast "Threat Review Series: Combining the

14 Power of App-ID with Wildfire. This webcast discusses how users should leverage the App-ID

15 technology in the Next-Generation Firewall with WildFire in order to further protect against

16 malware. This webcast can be found at

17 https://www.paloaltonetworks.com/resources/webcasts/trs-combiningthe-power-of-app-id-with-

18 wildfire.html (attached as Exhibit 32).

19 199.   Defendant is well aware of Finjan's patents. Finjan's claim chart for the '494

20 Patent is confidential. As such, Finjan offered to Defendant a Non-Disclosure Agreement to

21 maintain the confidential nature of its analysis. Defendant refused to sign the agreement.

22 Defendant has continued its infringing activity without a good faith effort to assure Finjan that it is

23 not infringing Finjan's '494 Patent. Even after receiving Finjan's original Complaint for patent

24 infringement, Defendant continued to release new versions of the '494 Patent Accused Products

25 with the same or similar infringing functionality while the case was stayed. As such, Defendant

26 has acted recklessly and continues to willfully, wantonly, and deliberately engage in acts of

27 infringement of the '494 Patent, justifying an award to Finjan of increased damages under 35

28 U.S.C. § 284, and attorneys' fees and costs incurred under 35 U.S.C. § 285.

1   200.   Defendant has had knowledge of the '494 Patent at least as of the time it learned of

2   this action for infringement and by continuing the actions described above, has had the specific

3   intent to or was willfully blind to the fact that its actions would induce infringement of the '494

4   Patent.

5   201.   Palo Alto Networks actively and intentionally maintains websites, including Palo

6   Alto Networks Services and its ancillary components Solution Assurance, Education, Support and

7   Consulting, to promote the Palo Alto '494 Patent Accused Products and to encourage potential

8   customers, users and developers to use the '494 Patent Accused Products in the manner described

9   by Finjan. https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

10   202.   Palo Alto Networks actively updates its websites, including Palo Alto Networks

11 Services and its ancillary components Solution Assurance, Education, Support and Consulting, to

12 promote the Palo Alto Networks '494 Patent Accused Products including, but not limited to, the

13 Palo Alto Networks WildFire Threat Intelligence Cloud and WildFire, to encourage customers,

14 users and developers to practice the methods claimed in the '494 Patent.

15 https://www.paloaltonetworks.com/services.html (attached as Exhibit 33).

16   203.   Palo Alto Networks has been on notice of its inducement since at least as early

17 as the original Complaint filed on November 4, 2014, and has continued to induce

18 infringement.

19   **PRAYER FOR RELIEF**

20   WHEREFORE, Finjan prays for judgment and relief as follows:

21   A.   An entry of judgment holding Defendant has infringed the '780 Patent, the '731

22 Patent, the '926 Patent, the '633 Patent, the '154 Patent, the '408 Patent, and the '494 Patent and is

23 infringing the '154 Patent and '408 Patent; has induced infringement of the '780 Patent, the '731

24 Patent, the '926 Patent, the '633 Patent, the '408 Patent, the '154 Patent, and the '494 Patent and is

25 inducing infringement of the '408 Patent and the '154 Patent;

26   B.   A preliminary and permanent injunction against Defendant and its officers,

27 employees, agents, servants, attorneys, instrumentalities, and/or those in privity with them, from

28 infringing the '154 Patent and the '408 Patent, or inducing the infringement of the '408 Patent and

1   the '154 Patent, and for all further and proper injunctive relief pursuant to 35 U.S.C. § 283;

2   C.   An award to Finjan of such damages as it shall prove at trial against Defendant that

3   is adequate to fully compensate Finjan for Defendant's infringement of the '780 Patent, the '731

4   Patent, the '926 Patent, the '633 Patent, the '154 Patent, the '408 Patent, and the '494 Patent, said

5   damages to be no less than a reasonable royalty, and on information and belief and based on

6   publicly available information, Finjan anticipates it will seek no less than $100 million at trial;

7   D.   A determination that Defendant's infringement has been willful, wanton, and

8   deliberate as to all Asserted Patents and all versions of the accused products and that the damages

9   against it be increased up to treble on this basis;

10   E.   A finding that this case is "exceptional" and an award to Finjan of its costs and

11   reasonable attorney's fees, as provided by 35 U.S.C. § 285;

12   F.   An accounting of all infringing sales and revenues, together with post judgment

13   interest and prejudgment interest from the first date of infringement of the '780 Patent, the '731

14   Patent, the '926 Patent, the '633 Patent, the '154 Patent, the '408 Patent, and the '494 Patent; and

15   G.   Such further and other relief as the Court may deem proper and just.

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17   Dated: March 31, 2021   Respectfully Submitted,

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FINJAN'S AMENDED COMPLAINT FOR PATENT INFRINGEMENT