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9 *Attorneys for Plaintiff*
10 FINJAN, INC.

11 **IN THE UNITED STATES DISTRICT COURT**
12 **FOR THE NORTHERN DISTRICT OF CALIFORNIA**
13 **SAN FRANCISCO DIVISION**

15 FINJAN, INC., a Delaware Corporation,

16 Plaintiff,

17 v.

18 JUNIPER NETWORKS, INC., a Delaware
19 Corporation,

20 Defendant.

Case No.: 3:17-cv-05659-WHA

**DECLARATION OF DR. ERIC COLE IN
SUPPORT OF PLAINTIFF FINJAN, INC.’S
NOTICE OF MOTION AND MOTION FOR
SUMMARY JUDGMENT OF INFRINGEMENT
OF CLAIM 10 OF U.S. PATENT NO. 8,677,494**

Date: July 26, 2018
Time: 8:00 a.m.
Courtroom: Courtroom 12, 19th Floor
Before: Hon. William Alsup

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25 **REDACTED VERSION OF DOCUMENT SOUGHT TO BE SEALED**
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1 I, Eric Cole, hereby declare that:

2 1. I have been asked by Plaintiff Finjan, Inc. to submit an expert declaration on whether
3 Juniper, Inc.'s SRX Gateways¹ and Sky ATP² products infringe claim 10 of U.S. Patent No. 8,677,494
4 (the "'494 Patent"). I relied on the documents cited herein, including the '494 Patent, the file history of
5 the '494 Patent, the source code review computer, source code printouts, the deposition transcripts of
6 Tenorio, Manthena, Nagarajan, and Manocha, as well as exhibits thereto, Finjan's Infringement
7 Contentions, and Juniper's Discovery Responses.

8 **I. EXPERIENCE AND QUALIFICATIONS**

9 2. I hold a master's degree in computer science and a doctorate in information security and
10 have worked in the cyber and technical information security industry for over 25 years. I am a member
11 of the European InfoSec Hall of Fame, a professional membership awarded by nomination and election
12 by a panel of industry experts. I am the founder of Secure Anchor Consulting where I provide cyber
13 security consulting services and am involved in advance information systems security. I am a Fellow
14 and instructor with The SANS Institute, a research and education organization consisting of
15 information security professionals. I am an author of several security courses such as SEC401-Security
16 Essentials and SEC501-Enterprise Defender. I worked for the government for 8 years as an employee
17 and have held various contracting jobs with government agencies, which involved working with
18

19 ¹ SRX Gateways includes all SRX Gateways that are capable of interacting with Sky ATP, and includes
20 SRX100, SRX110, SRX210, SRX220, SRX240, SRX300, SRX340, SRX345, SRX550, SRX550m,
21 SRX650, SRX1400, SRX1500, SRX3400, SRX3600, SRX4000, SRX4100, SRX4200, SRX5400,
22 SRX5600, SRX5800, vSRX Virtual Firewall, vSRX (including 10Mbps, 100Mbps, 1000Mbps,
23 2000Mbps, 4000Mbps version), Next Generation Firewall, cSRX Container Firewall. SRX Gateways
24 include all supporting server or cloud infrastructure, feeds, and other components SRX Gateways utilize.

25 ² Sky ATP includes the cloud infrastructure for Sky ATP, and includes the following service
26 subscriptions Free Sky ATP, Basic Sky ATP (SRX340-THRTFEED-1, 3, 5; SRX345-THRTFEED-1, 3,
27 5; SRX550-THRTFEED-1, 3, 5; SRX1500-THRTFEED-1, 3, 5; SRX4100THRTFEED-1, 3, 5;
28 SRX4200-THRTFEED-1, 3, 5; SRX5400-THRTFEED-1, 3, 5; SRX5600-THRTFEED-1, 3, 5;
SRX5800-THRTFEED-1, 3, 5; VSRX10MTHRTFEED-1, 3, 5; VSRX100MTHRTFEED-1, 3, 5;
VSRX1GTHRTFEED-1, 3, 5; VSRX2GTHRTFEED-1, 3, 5; and VSRX4GTHRTFEED-1, 3, 5) and
Premium Sky ATP (SRX340-ATP-1, 3, 5; SRX345-ATP-1, 3, 5; SRX550-ATP-1, 3, 5; SRX1500-ATP-
1, 3, 5; SRX4100-ATP-1, 3, 5; SRX4200-ATP-1, 3, 5; SRX5400-ATP-1, 3, 5; SRX5600-ATP-1, 3, 5;
SRX5800-ATP-1, 3, 5; VSRX10M-ATP-1, 3, 5; VSRX100M-ATP-1, 3, 5; VSRX1G-ATP-1, 3, 5;
VSRX2G-ATP-1, 3, 5; and VSRX4G-ATP-1, 3, 5). Sky ATP includes all supporting server or cloud
infrastructure, feeds, and other components utilized by Sky ATP including Spotlight Secure Threat

1 classified information. I held or hold various top-secret security clearances with Department of
2 Defense, CIA, and Nuclear Regulatory Commission (NRC). I worked for a wide range of government
3 organizations including the FBI, NSA, CIA, DOE, DOD, NRC, Treasury, and Secret Service. As
4 former Chief Scientist and Senior Fellow for Lockheed Martin, I performed research and development
5 in information systems security. At Lockheed Martin, I served as technical advisor in high-profile
6 security projects for government clients including the Department of Defense, the FBI Sentinel case
7 management systems, Department of Homeland Security Enterprise Acquisition Gateway for Leading
8 Edge solutions, JetPropulsion Labs, Hanford Labs, and FBI Information Assurance Technology
9 Infusion programs. As former CTO for McAfee I executed the technology strategy for technology
10 platforms and external relationships to establish product vision and achieve McAfee's goals. I am a
11 contributing author of "Securing Cyberspace for the 44th President." and served as a commissioner on
12 cyber security for President Obama. My 8 books on cyber security include "Network Security Bible -
13 2nd Edition," "Advanced Persistent Threat," and "Insider Threat," which are recognized as industry-
14 standard sources.

15 **A. Compensation**

16 3. My rate of compensation for my work in this case is \$475 per hour plus any direct
17 expenses incurred. My compensation is based solely on the amount of time that I devote to activity
18 related to this case and is in no way affected by any opinions that I render. I receive no other
19 compensation from work on this action. My compensation is not dependent on the outcome of this case.

20 **II. LEGAL STANDARDS**

21 4. Counsel for Finjan has informed me of the following legal standards that I have used as
22 a framework in forming my opinions contained herein.

23 5. I have been informed that claim construction is a legal issue for the Court to decide. I
24 also understand that the Court has not issued a claim construction order in this case. As such, I have
25 applied the plain and ordinary meaning of all terms, unless specifically identified below.

26 6. I have been informed that infringement is determined on a claim by claim basis. I have
27 been further informed that literal infringement is found if an accused product, system or method meets

28 each and every element of a single claim. I have been informed that direct infringement is found if a

1 party or its agents make, use, sell, or offer to sell a product or system that contains all elements of a
2 claimed system or perform all of the steps of a claimed method.

3 7. I have been informed that in the case of direct infringement of a system claim, a party
4 can be found to use a patented system even if the party does not exercise physical or direct control over
5 every element of the system. For elements that are not subject to the physical or direct control of the
6 party, I have been informed that the party is still deemed to be using that component or part of the
7 patented system when (1) it puts the component into service, i.e., causes it to work for its intended
8 purpose and (2) receives the benefit of that purpose. For example, if a company queries a third-party's
9 database, thereby causing the database to run a query and return a result to the company, the company
10 is deemed to have used the database for infringement purposes by putting it into service (causing it to
11 run the query) and receiving the benefit of that operation (the result of the query), even though the
12 company does not own or control the database.

13 8. I have been informed that infringement under the doctrine of equivalents is found if an
14 accused product, system or process contains parts or steps that are identical or equivalent to each and
15 every element of a single claim. A part or step is equivalent if a person of ordinary skill in the art
16 would conclude that the differences between the product or method step and the claim element were not
17 substantial at the time of infringement. I have been further informed that one common test to determine
18 if the difference between a component or method step and a claim element is not substantial is asking if
19 the component or step performs substantially the same function, in substantially the same way, to
20 achieve substantially the same result.

21 9. I have been informed that in the case of direct infringement of a multinational system
22 claim where elements of such system are located in multiple countries, a party can be found to use the
23 patented system in the United States if the place where control of the accused system is exercised and
24 where beneficial use of the system is obtained are both within the United States. For example, if the
25 accused system is controlled by a device in the United States that generates requests sent to the accused
26 system and the benefit of the accused system is obtained by the company or person using the device in
27 the United States, the company is deemed to have used the accused system for infringement purposes in
28 the United States even though the accused system has some elements located outside the United States.

1 **A. Person of Ordinary Skill in the Art**

2 10. Based on review of the Asserted Patents and consideration of the abovementioned
3 factors, it is my opinion that a person of ordinary skill in the art at the time of the invention of the
4 Asserted Patents would be someone with a bachelor’s degree in computer science or related field, and
5 either (1) two or more years of industry experience and/or (2) an advanced degree in computer science
6 or related field. I understand that claim 10 of the ‘494 Patent claims a priority date of November 8,
7 1996. But if the ‘494 Patent is found to have another priority date it would not materially affect my
8 analysis.

9 **III. SUMMARY OF DECLARATION**

10 11. I have been asked by counsel for Finjan to consider if Juniper infringes claim 10 of the
11 ‘494 Patent. I assumed that claim 10 of the ‘494 Patent is valid and enforceable. I have not considered
12 any issues related to damages associated with this infringement.

13 12. The language of Claim 10 of the ‘494 Patent is set forth below.

14 10. A system for managing Downloadables, comprising:

15 (10a) a receiver for receiving an incoming Downloadable;

16 (10b) a Downloadable scanner coupled with said receiver, for deriving security
17 profile data for the Downloadable, including a list of suspicious computer
18 operations that may be attempted by the Downloadable; and

19 (10c) a database manager coupled with said Downloadable scanner, for storing
20 the Downloadable security profile data in a database.

21 13. I have been asked by counsel for Finjan to consider whether the SRX Gateways
22 operating with Sky ATP and Sky ATP alone infringe claim 10 of the ‘494 Patent. I have confirmed
23 that the functionality that I describe was available and in use before January 29, 2017. I confirmed this
24 with the source code and release notes that the products currently operate in the same manner as what is
25 set forth in those documents. *See, for example*, Ex. 24,³ JNPR-FNJN_29006_00162260 at 60-64. The
26 following description of the products is undisputed based on Juniper’s products and testimony.

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