

EXHIBIT 1

**REDACTED VERSION OF
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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

EXPERT REPORT OF DR. ERIC COLE

HIGHLY CONFIDENTIAL – SOURCE CODE

1 ATP further stores the results in, for example, the ResultsDB. The databases include database schemas
2 to organize the data and serve one or more other applications.

3 30. This system provides a number of technical benefits for the customers of Juniper. By
4 collecting profiles in database, intelligence is gathered and distributed across the entire Juniper network
5 and allows customers to proactively block threats and reduce samples that lead to false positives. This
6 allows Juniper and its customers to respond to the most potentially destructive threats while also
7 reducing costs. Additional evidence of the importance of this technology is the fact that Juniper has
8 devoted additional resources to increase its use. In fact, Juniper made a strategic decision to purchase
9 Cyphort to strengthen its focus in this area. Thus, the increased use of this technology demonstrates that
10 it is an important technology for Juniper and its customers.

12 31. Moreover, the technology provides many benefits for the customers of Juniper,
13 including accuracy as having a database of the results that allows Juniper and its customers to more
14 accurately identify and neutralize malware designed to evade detection technology.

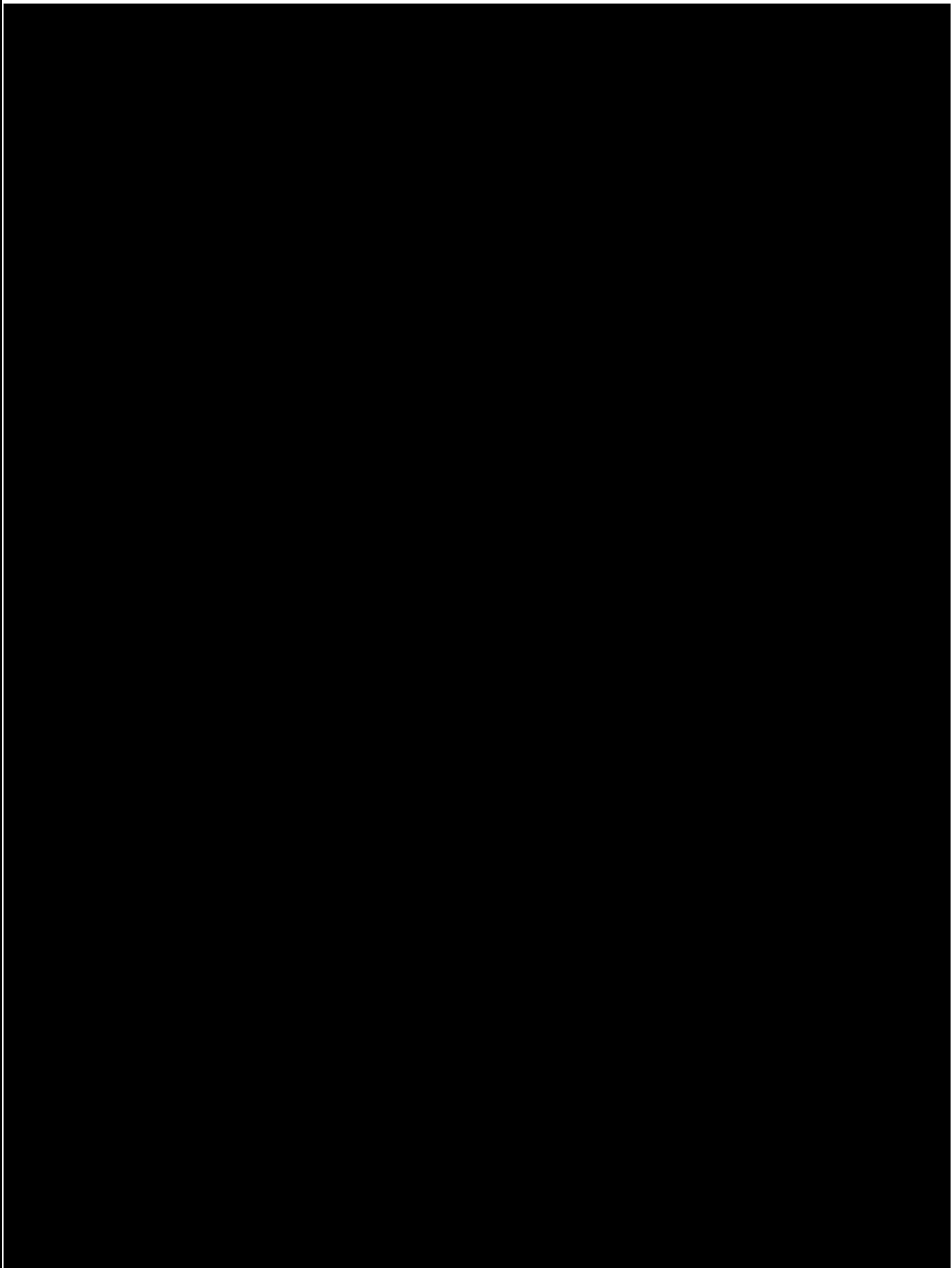
16 32. Users of this system will also see an increase in speed and efficiency because once the
17 system generates a profile for a given Web page it does not have to undergo this operation again.
18 Instead, the system can retrieve the stored DSP from the database. This saves on computation time for
19 having to reanalyze the downloadable via Sky ATP, but also on bandwidth because the system does not
20 have to send the downloadable to Sky ATP to re-analyze it if the downloadable was already scanned.

22 33. Furthermore, the SRX Gateways and Sky ATP allow customers better protection as
23 malware can be stopped before it reaches the file system of the client computer. This is because the
24 Internet poses additional security threats, as such content may execute upon entry into a client
25 computer. Content such as JavaScript and VBScript may be executed by an Internet browser, as soon as
26 the content is received within a web page. This technology allows the malware you identify to be
27 blocked at the gateway.

1 34. This technology also provides many benefits for Juniper. For example, integrating the
2 data resulting from the Sky ATP analysis allows this data to be used for Juniper research and analysis of
3 the threat picture which can be fed into the Juniper network. It is important for Juniper to have a
4 continuously updated threat picture because it is must be able to defend and protect its customers. The
5 integration of cloud technology that stores results of the sandboxing analysis reduces total cost of
6 security for the customer and allows them to more effectively block threats. It also dramatically reduces
7 advanced threat payloads resulting in lower capacity and capital costs required for malware inspection
8 using sandboxing solutions.
9

10 35. Juniper’s Sky ATP includes sandboxing that is used to identify the “zero day threats”
11 that are seen. FINJAN-JN 005438 at 5439 (“Patent pipeline of technologies to analyze sophisticated
12 malware, “detonate” files in a controlled sandboxing environment, and identify zero day threats.”).
13 Based on Juniper’s documentation, I understand that it takes approximately 6-7 minutes for the Sky
14 ATP sandbox to perform its analysis on a suspect file. FINJAN-JN 044844; FINJAN-JN044744 at
15 4763-764 (“The majority of the time spent inspecting a file is in dynamic analysis ... The file is
16 uploaded to this environment and is allowed to run for several minutes.”).
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