UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Symantec Corp., Petitioner

v.

Finjan, Inc., Patent Owner

Patent No. 8,141,154 Issue Date: Mar. 20, 2012 Title: System and Method for Inspecting Dynamically Generated Executable Code

Inter Partes Review No. IPR2016-01071

PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 8,141,154

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| | А. | Ross | | | |
| | | a. Hook script generator (i.e., content modifier)11 | | | |
| | | b. Script Processing Engine (i.e., content processor)12 | | | |
| | | c. Decision Service (i.e., content inspector)13 | | | |
| V. | OF (| CHALLENGE (37 C.F.R. §42.104(B)) | | | |
| | A. GROUND 1: Claims 1-8 and 10-11 are invalid as obvious over Ross14 | | | | |
| | | Ross renders independent claim 1 and its dependent claims 2-3 obvious under 35 U.S.C. §103(a) | | | |
| | | a. Claim 114 | | | |
| | | (i) [1.P]: A system for protecting a computer from dynamically generated malicious content14 | | | |

| | | | (ii) | [1.1.a] a content processor (i) for processing content received over a network |
|---|----|----|-------|---|
| | | | (iii) | [1.1.b] the content including a call to a first function, and the call including an input |
| | | | (iv) | [1.1.c] and (ii) for invoking a second function with the input, only if a security computer indicates that such invocation is safe |
| | | | (v) | [1.2] a transmitter for transmitting the input to the security computer for inspection, when the first function is invoked |
| | | | (vi) | [1.3] a receiver for receiving an indicator from the security computer whether it is safe to invoke the second function with the input21 |
| | | b. | Claim | n 2 |
| | | | (i) | [2.1] wherein said content processor suspends processing of the content after said transmitter transmits the input to the security computer |
| | | | (ii) | [2.2] and resumes processing of the content after said receiver receives the indicator from the security computer |
| | | c. | Claim | 1 3 |
| | | | (i) | [3.1]: wherein the input is dynamically generated by said content processor prior to being transmitted by said transmitter |
| - | 2. | | | s independent claim 4 and its dependent claim 5 er 35 U.S.C. §103(a)25 |
| | | a. | Claim | 1425 |
| | | | (i) | [4.P]: A non-transitory computer-readable storage medium storing program code for causing a computing device to |
| | | | (ii) | [4.1]: process content received over a network, the content including a call to a first function, and the call including an input |
| | | | (iii) | [4.2]: transmit the input for inspection, when the first function is invoked, and suspend processing of the content |
| | | | | |

| | | (iv) | [4.3]: receive an indicator of whether it is safe to invoke a second function with the input27 |
|----|----|-------|---|
| | | (v) | [4.4.a]: resume processing of the content after receiving the indicator |
| | | (vi) | [4.4.b]: and invoke the second function with the input only if the indicator indicates that such invocation is safe |
| | b. | Claim | 5 |
| | | (i) | [5.1] wherein the program code causes the computer device to dynamically generate the input prior to transmitting the input for inspection |
| 3. | | | independent claim 6 and its dependent claims under 35 U.S.C. §103(a) |
| | a. | Claim | 6 |
| | | (i) | [6.P]: A system for protecting a computer from dynamically generated malicious content29 |
| | | (ii) | [6.1.a] a content processor for processing content received over a network, the content including a call to a first function, and the first function including an input variable |
| | | (iii) | [6.1.b] and for calling a second function with a modified input variable |
| | | (iv) | [6.2]: a transmitter for transmitting the input variable to a security computer for inspection, when the first function is called |
| | | (v) | [6.3]: a receiver for receiving the modified input variable from the security computer |
| | | (vi) | [6.4] wherein the modified input variable is obtained by modifying the input variable if the security computer determines that calling a function with the input variable may not be safe |
| | b. | Claim | 7 |
| | | (i) | [7.1.a]wherein said content processor suspends processing of the content after said |

| | | | transmitter transmits the input variable to the security computer, and |
|----|----|-------|--|
| | | (ii) | [7.1.b]: resumes processing of the content after said receiver receives the modified input variable from the security computer |
| | c. | Claim | 8 |
| | | (i) | [8.1]: wherein the input variable in dynamically generated by said content processor prior to being transmitted by said transmitter |
| 4. | | | s independent claim 10 and its dependent claim inder 35 U.S.C. §103(a) |
| | a. | Claim | 10 |
| | | (i) | [10.P]: A non-transitory computer-readable storage medium storing program code for causing a computing device to |
| | | (ii) | [10.1]: process content received over a network, the content including a call to a first function, and the first function including an input variable |
| | | (iii) | [10.2]: transmit the input variable for inspection, when the first function is called, and suspend processing of the content |
| | | (iv) | [10.3]: receive a modified input variable Claim element [10.3] is substantially identical to claim element [6.3]. Thus |
| | | (v) | [10.4.a] resume processing of the content after receiving the modified input variable, and |
| | | (vi) | [10.4.b] calling a second function with the modified input variable |
| | | (vii) | [10.5] wherein the modified input variable is obtained by modifying the input variable if the inspection of the input variable indicates that calling a function with the input variable may not be safe |
| | b. | Claim | |
| | | | |

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