

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

JUNIPER NETWORKS, INC.,
Petitioner,

v.

ORCKIT CORPORATION,
Patent Owner.

In re *Inter Partes* Review of:
U.S. Patent No. 10,652,111

**DECLARATION OF DR. NADER F. MIR UNDER 37 C.F.R. § 1.68 IN
SUPPORT OF PETITION FOR *INTER PARTES* REVIEW**

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B. Independent Claim 32.....43

1. [32.preamble] “A method for use with a packet network including a network node for transporting packets between first and second entities under control of a controller that is external to the network node, the method by the network node comprising:”43

2. [32.1] “receiving, from the controller, the instruction and the criterion;”46

3. [32.2] “receiving, from the first entity over the packet network, a packet addressed to the second entity;”50

4. [32.3] “checking if the packet satisfies the criterion;”51

5. [32.4] “responsive to the packet not satisfying the criterion, sending over the packet network, the packet to the second entity; and”52

6. [32.5] “responsive to the packet satisfying the criterion, sending the packet over the packet network, to an entity that is included in the instruction and is other than the second entity.”52

C. Dependent Claims 33-36, 39-5454

1. [33] The method according to claim 32, wherein the instruction is ‘probe’, ‘mirror’, or ‘terminate’ instruction, and upon receiving the ‘terminate’ instruction, the method further comprising blocking, the packet from being sent to the second entity and to the controller.....54

2. [34] The method according to claim 32, wherein the instruction is a ‘probe’, a ‘mirror’, or a ‘terminate’ instruction, and upon receiving the ‘mirror’ instruction and responsive to the packet satisfying the criterion, the method further comprising sending the packet to the second entity and to the controller.....57

3. [35] The method according to claim 32, wherein the instruction is ‘probe’, ‘mirror’, or ‘terminate’ instruction, and upon receiving the ‘probe’ instruction and responsive to the packet satisfying the criterion, the method further comprising: sending the packet to the controller; receiving the packet, from the controller; and responsive to receiving the packet, sending the packet, to the second entity.58
4. [36] The method according to claim 32, further comprising responsive to the packet satisfying the criterion and to the instruction, sending the packet or a portion thereof to the controller.....61
5. [39] The method according to claim 32, wherein the packet comprises distinct header and payload fields, the header comprises one or more flag bits, and wherein the packet-applicable criterion is that one or more of the flag bits is set.62
6. [40] The method according to claim 39, wherein the packet is an Transmission Control Protocol (TCP) packet, and wherein the one or more flag bits comprises comprise a SYN flag bit, an ACK flag bit, a FIN flag bit, a RST flag bit, or any combination thereof.66
7. [41] The method according to claim 32, wherein the packet comprises distinct header and payload fields, the header comprises at least the first and second entities addresses in the packet network, and wherein the packet-applicable criterion is that the first entity address, the second entity address, or both match a predetermined address or addresses.66
8. [42] The method according to claim 41, wherein the addresses are Internet Protocol (IP) addresses.....67
9. [43] The method according to claim 32, wherein the packet is an Transmission Control Protocol (TCP) packet that comprises source and destination TCP ports, a TCP sequence number, and a TCP sequence mask fields, and wherein the packet-applicable criterion is that the source TCP port, the destination TCP port, the TCP sequence number, the TCP sequence mask, or any combination thereof, matches a predetermined value or values.....68

- 10.[44] The method according to claim 32, wherein the packet network comprises a Wide Area Network (WAN), Local Area Network (LAN), the Internet, Metropolitan Area Network (MAN), Internet Service Provider (ISP) backbone, datacenter network, or inter-datacenter network.71
- 11.[45] The method according to claim 32, wherein the first entity is a server device and the second entity is a client device, or wherein the first entity is a client device and the second entity is a server device.....73
- 12.[46] The method according to claim 45, wherein the server device comprises a web server, and wherein the client device comprises a smartphone, a tablet computer, a personal computer, a laptop computer, or a wearable computing device.74
- 13.[47] The method according to claim 45, wherein the communication with the controller is based on, or uses, a standard protocol.....75
- 14.[48] The method according to claim 47, wherein the standard protocol is according to, based on, or compatible with, an OpenFlow protocol version 1.3.3 or 1.4.0.....75
- 15.[49] The method according to claim 48, wherein the instruction comprises a Type-Length-Value (TLV) structure.76
- 16.[50] The method according to claim 32, wherein the network node comprises a router, a switch, or a bridge.77
- 17.[51] The method according to claim 32, wherein the packet network is an Internet Protocol (IP) network, and the packet is an IP packet.79
- 18.[52] The method according to claim 51, wherein the packet network is a Transmission Control Protocol (TCP) network, and the packet is an TCP packet.....79
- 19.[53] The method according to claim 32, further comprising: receiving, from the first entity over the packet network, one or more additional packets; checking, if any one of the one or more additional packets satisfies the criterion; responsive to an

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