EXHIBIT 1

G10 Infringement, Claim 19, '789 Patent





Designed specifically to address high bandwidth interfaces and datacenter applications, the NEBScompliant GeoProbe G10 platform features a distributed architecture optimized to handle high volume IP traffic with native support for both IPv4 and IPv6.

The G10 serves as a primary collection and correlation agent for Tektronix Communications' Network Intelligence solution, Used to feed Iris applications, the G10 may be deployed in combination with existing Splprobes to provide a comprehensive view of the network.

HARDWARE PLATFORM ADDRESSES DYNAMIC CHANGES IN NETWORK TRAFFIC COMPOSITION

With a proven track record and worldwide deployment by Tier 1 operators, the GeoProbe family remains at the center of Tektronix Communications' network monitoring portfolio. In keeping with the pace of network technology changes and dynamic market conditions. Tektronix Communications has evolved its hardware to meet changing customer

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SOLUTION OVERVIEW

- Distributed Architecture: handling high volume IP
- Stream-to-Disk Capabilities S2D processes support packet capture at rates up to



GeoProbe G10 - www.tekcomms.com

PTX 166, p. 1

19. A packet monitor for examining packets passing through a connection point on a computer network, each packets conforming to one or more protocols, the monitor comprising: (a) a packet acquisition device coupled to the connection point and configured to receive packets passing through the connection point; (b) an input buffer memory coupled to and configured to accept a packet from the packet acquisition device; (c) a parser subsystem coupled to the input buffer memory and including a slicer, the parsing subsystem configured to extract selected portions of the accepted packet and to output a parser record containing the selected portions; (d) a memory for storing a database comprising none or more flow-entries for previously encountered conversational flows, each flow-entry identified by identifying information stored in the flow-entry; (e) a lookup engine coupled to the output of the parser subsystem and to the flow-entry memory and configured to lookup whether the particular packet whose parser record is output by the parser subsystem has a matching flow-entry, the looking up using at least some of the selected packet portions and determining if the packet is of an existing flow; and (f) a flow insertion engine coupled to the flow-entry memory and to the lookup engine and configured to create a flow-entry in the flow-entry database, the flow-entry including identifying information for future packets to be identified with the new flow-entry, the lookup engine configured such that if the packet is of an existing flow, the monitor classifies the packet as belonging to the found existing flow; and if the packet is of a new flow, the flow insertion engine stores a new flow-entry for the new flow in the flow-entry database, including identifying information for future packets to be identified with the new flow-entry, wherein the operation of the parser subsystem depends on one or more of the protocols to which the packet conforms.

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GeoProbe G10

At the highest level, the G10 is comprised of purpose-specific connection, processing and application boards and I/O ports. GeoProbe G10 supports 8 physical Ethernet connections (10G or 1G), up to four of which may be 10G.

An uplink port on the application blade serves as the primary network interface while Operations, Administration, and Maintenance (OAM) interfaces provide connectivity to Shelf Management Modules.

- mode) and 10Gbase-LR (1310nm, Iris Traffic Analyzer () single-mode).
- 1G: 1000base-SX (850nm multi-mode) and 1000base-LX (Rackmount Requirements (1310nm.multi-mode or single-mode), and 1000base-T (RJ-45, and 1000base-T (RJ-45, as valiable for depose and
- All optical ports are LC-type

Protocol Support

- Mobile Data and Data Centers
- Next-Generation 4G Network
- Multimedia and Convergence protocols: VoIP/IMS

- Protocol Analyzer (PA)

center-post (19- or 23-inch) rack type mounting with supplied

Power Consumption

 600W max. -40 to -72 VDC (15A) max), 430W typical

NETSCOUT_000004

PTX 166, p. 2

19. A packet monitor for examining packets passing through a connection point on a computer network, each packets conforming to one or more protocols, the monitor comprising: (a) a packet acquisition device coupled to the connection point and configured to receive packets passing through 41

(b) an input buffer memory coupled to and configured to accept a packet from the packet acquisition device;

the connection point;

- (c) a parser subsystem coupled to the input buffer memory and including a slicer, the parsing subsystem configured to extract selected portions of the accepted packet and to output a parser record containing the selected portions;
- (d) a memory for storing a database comprising none or more flow-entries for previously encountered conversational flows, each flow-entry identified by identifying information stored in the flow-entry;
- (e) a lookup engine coupled to the output of the parser subsystem and to the flow-entry memory and configured to lookup whether the particular packet whose parser record is output by the parser subsystem has a matching flow-entry, the looking up using at least some of the selected packet portions and determining if the packet is of an existing flow; and
- (f) a flow insertion engine coupled to the flow-entry memory and to the lookup engine and configured to create a flow-entry in the flow-entry database, the flow-entry including identifying information for future packets to be identified with the new flow-entry, the lookup engine configured such that if the packet is of an existing flow, the monitor classifies the packet as belonging to the found existing flow; and if the packet is of a new flow, the flow insertion engine stores a new flow-entry for the new flow in the flow-entry database, including identifying information for future packets to be identified with the new flow-entry,

wherein the operation of the parser subsystem depends on one or more of the protocols to which the packet conforms.

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- Next-Generation 4G Network
- Multimedia and Convergence protocols: VoIP/IMS

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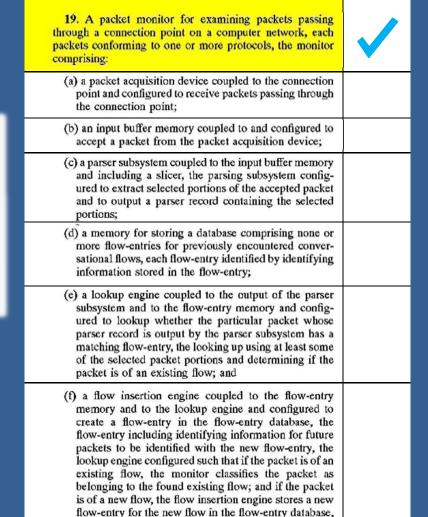
 With a 3U footprint, the chassis is available for 4-post and center-post (19- or 23-inch) rack type mounting with supplied

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NETSCOUT_000004

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