

TABLE COMPARING CLAIMS 1, 10, and 17 of the '725 Patent

<p>[1 Pre] 1. A method of performing protocol specific operations on a packet passing through a connection point on a computer network, the method comprising:</p>	<p>[10 Pre] 10. A method of performing protocol specific operations on a packet passing through a connection point on a computer network, the method comprising:</p>	<p>[17 Pre] 17. A method of performing protocol specific operations on a packet passing through a connection point on a computer network, the method comprising:</p>
<p>[1(a)] (a) receiving the packet:</p>	<p>[10(a)] (a) receiving the packet;</p>	<p>[17(a)] (a) receiving the packet;</p>
<p>[1(b)] (b) receiving a set of protocol descriptions for a plurality of protocols that conform to a layered model, a protocol description for a particular protocol at a particular layer level including:</p>	<p>[10(b)] (b) receiving a set of protocol descriptions for a plurality of protocols that conform to a layered model, a protocol description for a particular protocol at a particular layer level including:</p>	<p>[17(b)] (b) receiving a set of protocol descriptions for a plurality of protocols that conform to a layered model, a protocol description for a particular protocol at a particular layer level including:</p>
<p>[1(b)(i)] (i) if there is at least one child protocol of the protocol at the particular layer level, the one or more child protocols of the particular protocol at the particular layer level, the packet including for any particular child protocol of the particular protocol at the particular layer level information at one or more locations in the packet related to the particular child protocol,</p>	<p>[10(b)(i)] (i) if there is at least one child protocol of the protocol at the particular layer level, the one or more child protocols of the particular protocol at the particular layer level, the packet including for any particular child protocol of the particular protocol at the particular layer level information at one or more locations in the packet related to the particular child protocol,</p>	<p>[17(b)(i)] (i) if there is at least one child protocol of the protocol at the particular layer level, the one or more child protocols of the particular protocol at the particular layer level, the packet including for any particular child protocol of the particular protocol at the particular layer level information at one or more locations in the packet related to the particular child protocol,</p>

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<p>[1(b)(ii)] (ii) the one or more locations in the packet where information is stored related to any child protocol of the particular protocol, and</p>	<p>[10(b)(ii)] (ii) the one or more locations in the packet where information is stored related to any child protocol of the particular protocol, and</p>	<p>[17(b)(ii)] (ii) the one or more locations in the packet where information is stored related to any child protocol of the particular protocol, and</p>
<p>[10(b)(iii)] (iii) if there is at least one protocol specific operation to be performed on the packet for the particular protocol at the particular layer level, the one or more protocol specific operations to be performed on the packet for the particular protocol at the particular layer level; and</p>	<p>[10(b)(iii)] (iii) if there is at least one protocol specific operation to be performed on the packet for the particular protocol at the particular layer level, the one or more protocol specific operations to be performed on the packet for the particular protocol at the particular layer level; and</p>	<p>[17(b)(iii)] (iii) if there is at least one protocol specific operation to be performed on the packet for the particular protocol at the particular layer level, the one or more protocol specific operations to be performed on the packet for the particular protocol at the particular layer level; and</p>
<p>[1(c)] (c) performing the protocol specific operations on the packet specified by the set of protocol descriptions based on the base protocol of the packet and the children of the protocols used in the packet,</p>	<p>[10(c)] (c) performing the protocol specific operations on the packet specified by the set of protocol descriptions based on the base protocol of the packet and the children of the protocols used in the packet,</p>	<p>[17(c)] (c) performing the protocol specific operations on the packet specified by the set of protocol descriptions based on the base protocol of the packet and the children of the protocols used in the packet,</p>
<p>[1(d)] the method further comprising: storing a database in a memory, the database generated from the set of</p>	<p>[10(d)] wherein the protocol specific operations include one or more parsing and extraction operations on the packet to extract selected</p>	<p>[17(d)] wherein the method is applied to a conversational protocol having a set of operations and wherein the</p>

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<p>protocol descriptions and including a data structure containing information on the possible protocols and organized for locating the child protocol related information for any protocol, the data structure contents indexed by a set of one or more indices, the database entry indexed by a particular set of index values including an indication of validity, wherein the child protocol related information includes a child recognition pattern, wherein step (c) of performing the protocol specific operations includes, at any particular protocol layer level starting from the base level, searching the packet at the particular protocol for the child field, the searching including indexing the data structure until a valid entry is found, and whereby the data structure is configured for rapid searches using the index set.</p>	<p>portions of the packet to form a function of the selected portions for identifying the packet as belonging to a conversational flow.</p>	<p>operations include processing operation function of the conversational flow the state of the conversational flow of the packet being a sequence of encountered packets conversational flow</p>
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