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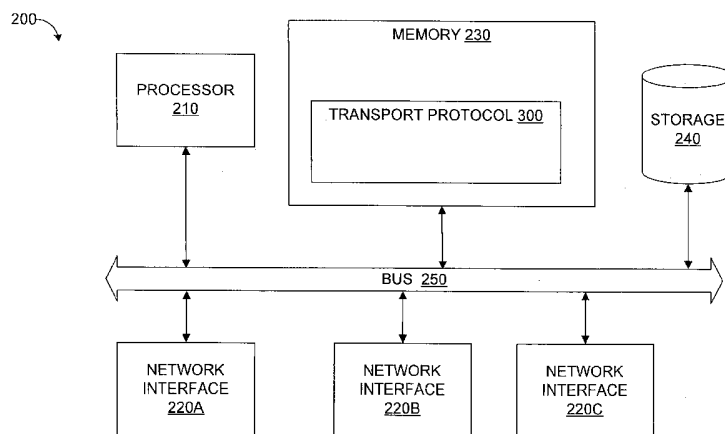
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(54) Title: ARCHITECTURE FOR DYNAMICALLY ADAPTIVE TRANSPORT PROTOCOLS



(57) Abstract: Systems and methods for reconfiguring a transport-layer protocol are disclosed. The transport-layer protocol is implemented by a plurality of transport-layer mechanism. Each transport-layer mechanism resides in a dynamically loadable module and implements a specific area of transport-layer functionality. One method comprises: performing an initial load of a first plurality of transport-layer mechanisms into memory; unloading one of the first plurality of transport-layer mechanisms; and loading at least one transport-layer mechanism different than the first plurality. One system comprises a processor coupled to a local interface; a memory coupled to the local interface; and protocol logic stored in the memory and executable by the processor. The protocol logic comprises: monitor logic configured to detect a change in at least one network performance condition of a network communicatively coupled to the network interface; adaptation logic configured to load into the memory a transport-layer mechanism upon a notification by the monitor logic.

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 370/465,709/224

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,757,255 B1 (AOKI et al) 29 June 2004 (29.06.2004), See fig. 2 and col. 6, lines 25	1-5, 7, 8
A	US 6,771,594 B1 (UPADRASTA) 03 August 2004 (03.08.2004), See fig. 6	1-10
X	US 6,076,113 A (RAMANATHAN et al) 13 June 2000 (13.06.2000) See fig. 5B.	1, 2, 7, 8

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"P"	document published prior to the international filing date but later than the priority date claimed		

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