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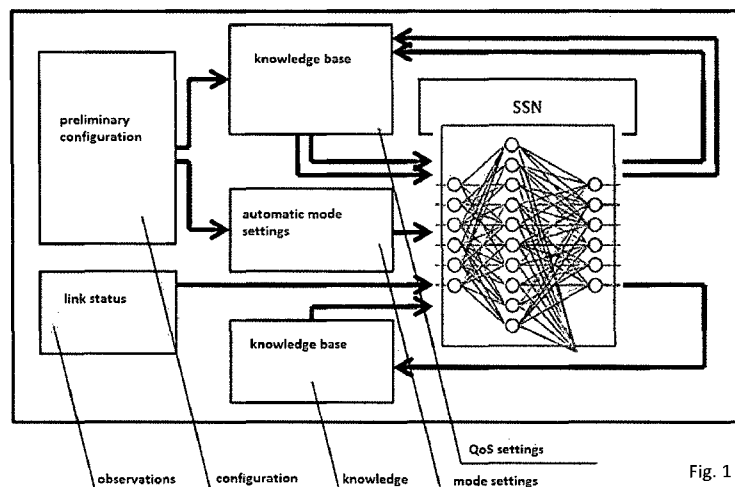


Fig. 1

(57) Abstract: The subject of the invention is a method of network traffic management in information and communication systems (in particular, in active network devices) where it is desired/operated/insufficient to use the QoS (Quality of Service) characteristics in order to improve the quality of information and communication services. The method lies in the fact that, by using a multilayer neural network, knowledge base and feedback, the system is able to autonomously adjust QoS parameters and settings in the device to the existing conditions and circumstances.