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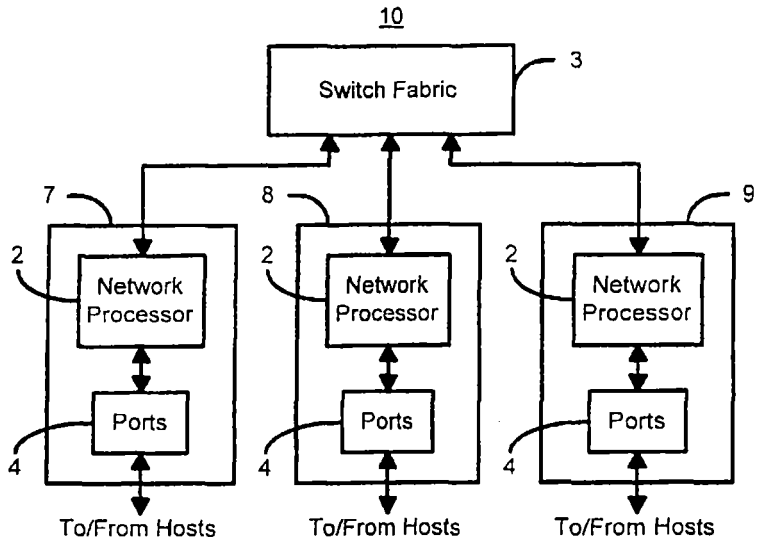
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(54) Title: METHOD AND SYSTEM FOR CONTROLLING TRANSMISSION OF PACKETS IN COMPUTER NETWORKS



(57) Abstract: Methods, apparatus and program products for controlling a flow of a plurality of packets in a computer network are disclosed. The computer network includes a device defining a queue. The methods, apparatus and program products include determining a queue level for the queue and determining an offered rate of the plurality of packets to the queue. They also include controlling a transmission fraction of the plurality of packets to or from the queue, based on the queue level, the offered rate and a previous value of the transmission fraction so that the transmission fraction and the queue level are critically damped if the queue level is between at least a first queue level and a second queue level. Several embodiments are disclosed in which various techniques are used to determine the manner of the control.

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