

Title (en)

FAIR FLOW CONTROLLING METHOD IN PACKET NETWORKS

Title (de)

VERFAHREN ZUR FAIREN FLUSSFEUERUNG IN PAKETNETZEN

Title (fr)

PROCEDE DE CONTROLE DE FLUX EQUITABLE UTILISE DANS DES RESEAUX PAR PAQUETS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0126305A1] There is provided a fair flow controlling method in a packet switching network. The packet switching network has a plurality of nodes and each node is connected to a plurality of sources which transmit/receive data and a data queue related with a current queue length and a target queue length for storing data received from the sources. In the fair flow controlling method, each node estimates the number of locally bottlenecked virtual circuits (VCs) using the explicit rate (ER) and the minimum cell rate (MCR) of a corresponding source. The node allocates an ER to each source based on the difference between the current queue length and the target queue length of the node, the derivative of the current queue length, and the estimated number of the locally bottlenecked VCs, then conveys the ER to each source through a feedback signal.

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IPC 8 full level

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CPC (source: EP KR)

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