

Title (en)

METHOD FOR COMMONLY CONTROLLING THE BANDWIDTHS OF A GROUP OF INDIVIDUAL INFORMATION FLOWS

Title (de)

VERFAHREN ZU GEMEINSAMEN KONTROLLE DER BANDBREITEN EINER GRUPPE VON EINZELNEN INFORMATIONSFÜSSEN

Title (fr)

PROCEDE POUR LE CONTROLE COMMUN DES LARGEURS DE BANDE D'UN GROUPE DE FLUX D'INFORMATIONS INDIVIDUELS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03088592A1] The aim of the invention is to achieve a good utilization of the capacity of a transmission channel while ensuring guaranteed bandwidths for traffic flows transmitted over the transmission channel. To this end, the invention provides a method for transmitting traffic flows (1, 2, 3) over a common transmission channel (7) whose (1, 2, 3) data (A E) arrives in at least one buffer (4, 5, 6) connected upstream from the transmission channel (7). According to this method: a guaranteed bandwidth (BG 1) is determined for the transmission of packets (A E) of each traffic flow (1) over the transmission channel (7); a maximum bandwidth (B1 Max) is determined for the transmission of packets (A E) of each traffic flow (1) over the transmission channel (7), whereby packets (D E) of a traffic flow (1), which arrive in a buffer (4) with a transmission rate less than the guaranteed bandwidth (BG 1), are chronologically transmitted over the channel (7) before the packets (ABC) of this traffic flow that arrive in buffer (4) with a transmission rate exceeding the guaranteed bandwidth (yellow, red), and; packets (ABC) of a traffic flow, which arrive in a buffer (4) with a transmission rate lower than the maximum bandwidth (B1 Max), are chronologically transmitted over the transmission channel (7) before packets (C) of the traffic flow (1) that have arrived in the buffer (4) with a transmission rate exceeding the maximum bandwidth (B1 Max) of the traffic channel in the transmission channel (7) (red).

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