

Title (en)
MESSAGE PIGGYBACKING DURING TRANSPORT MEDIUM CONGESTION

Title (de)
HUCKEPACKBEFÖRDERUNG VON NACHRICHTEN WÄHREND VERSTOPFUNG DES TRANSPORTMEDIUMS

Title (fr)
ENVOI DE MESSAGES "A LA QUEUE LEU LEU" LORS DE LA CONGESTION DE TRAFIC DU SUPPORT

Publication
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Application
EP 00964823 A 20000825

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• US 40013999 A 19990921

Abstract (en)
[origin: WO0122665A2] A computer (30(1)) detects congestion (50, 80) on a network transport medium (32) and in response thereto refrains from sending any packets containing messages. These to be transmitted messages are instead stored (56, 84) by the computer in memory (40). In one embodiment, each message addressed to the same destination addressee computer is stored (84) in a common buffer (38), with a different buffer being allocated to each identified destination addressee computer (30(2) and 30(3)) for the to be transmitted messages. In another embodiment, each such message is encapsulated (54) into a single packet (36) that is stored (56) in the reserved portion. When the congestion condition on the transport medium subsides (58, 86), the one or more messages stored within a given buffer are retrieved from memory and encapsulated (104) within a single packet (36) addressed to the destination addressee computer associated with that given buffer. Alternatively, the stored single packet is retrieved from memory. That single packet is then sent (76, 106) over the transport medium to the identified destination addressee computer.

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