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

EP 1214861 A2 20020619 (EN)

Application

EP 00964823 A 20000825

Priority

- SE 0001645 W 20000825
- 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.

IPC 1-7

H04Q 11/04; H04L 12/56

IPC 8 full level

H04L 47/32 (2022.01)

CPC (source: EP)

H04L 47/10 (2013.01); **H04L 47/11** (2013.01); **H04L 47/32** (2013.01); **H04L 49/90** (2013.01); **H04L 49/9094** (2013.01); **H04L 69/32** (2013.01)

Citation (search report)

See references of WO 0122665A2

Citation (examination)

US 5805823 A 19980908 - SEITZ GREG [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0122665 A2 20010329; **WO 0122665 A3 20010816**; AR 028869 A1 20030528; AU 7564800 A 20010424; BR 0014110 A 20020514; CA 2385470 A1 20010329; CA 2385470 C 20060502; CN 1437836 A 20030820; EP 1214861 A2 20020619

DOCDB simple family (application)

SE 0001645 W 20000825; AR P000104909 A 20000919; AU 7564800 A 20000825; BR 0014110 A 20000825; CA 2385470 A 20000825; CN 00815889 A 20000825; EP 00964823 A 20000825