

Title (en)

RECURSIVE TRAFFIC DISTRIBUTION IP/DATA NETWORK MODEL

Title (de)

REKURSIVES IP/DATENNETZ-MODULL ZUR VERKEHRSVERTEILUNG

Title (fr)

MODELE DE RESEAU A DISTRIBUTION RECURRENTE DU TRAFIC IP/DONNEES

Publication

EP 1216540 A4 20050105 (EN)

Application

EP 00955957 A 20000830

Priority

- AU 0001023 W 20000830
- AU 4740099 A 19990906

Abstract (en)

[origin: WO0119019A1] To avoid the need for all the nodes of a network to know the load status of all other nodes and links in the network, the nodes (101....303) are organized in node groups (10, 11, 12, 20, 30). Each group has a master node (104, 124, 113, 201, 301) which is incorporated in a logical higher order group. By recursively grouping the units of each preceding group, a logical hierarchical structure is formed in which the number of units at each level (A, B, C, D), decreases. Each node informs the other nodes of its load status, and each higher level unit also exchanges information with the other units. The recursive, hierarchical structure greatly reduces the amount of load status information exchanged across the network.

IPC 1-7

H04L 12/00; H04L 12/56; H04L 12/24

IPC 8 full level

H04L 12/24 (2006.01)

CPC (source: EP)

H04L 41/0893 (2013.01); **H04L 45/12** (2013.01)

Citation (search report)

- [X] EP 0876076 A2 19981104 - NEC CORP [JP]
- [X] WO 9922492 A1 19990506 - ERICSSON TELEFON AB L M [SE], et al
- [Y] EP 0859491 A1 19980819 - ALSTHOM CGE ALCATEL [FR]
- [Y] EP 0660569 A1 19950628 - IBM [US]
- [XA] HUI XIE ET AL: "Performance analysis of PNNI routing in ATM networks: hierarchical reduced load approximation", MILCOM 97 PROCEEDINGS MONTEREY, CA, USA 2-5 NOV. 1997, NEW YORK, NY, USA, IEEE, US, 2 November 1997 (1997-11-02), pages 998 - 1002, XP010260807, ISBN: 0-7803-4249-6
- See also references of WO 0119019A1

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 0119019 A1 20010315; AU 4740099 A 20010308; EP 1216540 A1 20020626; EP 1216540 A4 20050105

DOCDB simple family (application)

AU 0001023 W 20000830; AU 4740099 A 19990906; EP 00955957 A 20000830