

Title (en)

METHOD FOR EXAMINING THE CONNECTIVITY OF LINKS IN MPLS-NETWORKS

Title (de)

VERFAHREN ZUR ÜBERPRÜFUNG DER DURCHGÄNGIGKEIT VON VERBINDUNGEN IN MPLS-NETZEN

Title (fr)

PROCEDE POUR CONTROLER LA CONTINUITE DE LIAISONS DANS DES RESEAUX MPLS

Publication

EP 1500238 A1 20050126 (DE)

Application

EP 03727218 A 20030424

Priority

- DE 0301338 W 20030424
- DE 10219153 A 20020429

Abstract (en)

[origin: WO03094444A1] The aim of the invention is to carry out an examination of the connectivity of MPLS-links in MPLS-networks. Specially formed MPLS-OAM-packets (OAM-ECHO-packets) are introduced into the traffic flow of user data packets and are supplied to other communication devices along the link. Each respective OAM-ECHO packet is copied, intermediately stored and re-routed in said communication device. The copied and intermediately stored packet is then retransmitted in the reverse direction, in the direction of the source where all in-coming copies are registered until the OAM-ECHO-packet is either extracted in the OAM-sink or if a pre-determined time span has been exceeded. Using the received and/or non-received copied of said packets, it is possible to determine if the connectivity of the connections (LSP) is guaranteed.

IPC 1-7

H04L 12/56; H04L 12/26

IPC 8 full level

H04L 45/50 (2022.01)

CPC (source: EP US)

H04L 43/50 (2013.01 - EP US); **H04L 45/50** (2013.01 - EP US)

Citation (search report)

See references of WO 03094444A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 03094444 A1 20031113; DE 10219153 A1 20031120; EP 1500238 A1 20050126; US 2005147050 A1 20050707

DOCDB simple family (application)

DE 0301338 W 20030424; DE 10219153 A 20020429; EP 03727218 A 20030424; US 51305504 A 20041028