

Title (en)

DYNAMIC DISTRIBUTED METHOD FOR LOCAL PROTECTION OF A LABEL-SWITCHING PATH

Title (de)

DYNAMISCHES UND VERTEILTES VERFAHREN ZUR LOKALEN BESCHÜTZUNG VON EINEM ETIKETTVERMITTLUNGSWEG

Title (fr)

METHODE DYNAMIQUE ET DISTRIBUEE DE PROTECTION LOCALE D'UN CHEMIN A COMMUTATION D'ETIQUETTES

Publication

**EP 1476990 A1 20041117 (FR)**

Application

**EP 03718889 A 20030217**

Priority

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Abstract (en)

[origin: WO03071745A1] The invention relates to a method for protection of a label-switching path in an MPLS network, comprising a plurality of nodes connected by means of IP connections, said path beginning at an entry node and terminating at a network exit node, passing through a determined series of nodes and connections in the network called pathway elements. When said entry node requires the protection of a pathway element, in a first phase, a node of said pathway called PLR point, upstream of said element to be protected, determines a rescue path, called a bypass tunnel, rejoining the pathway downstream of said element for protection, at a node called PM point and, in a second phase, network resources are reserved from each connection of the bypass tunnel to ensure said pathway in case of failure of said element.

IPC 1-7

**H04L 12/46**; **H04L 12/56**; **H04L 12/14**

IPC 8 full level

**H04L 12/54** (2013.01); **H04L 45/28** (2022.01); **H04L 47/724** (2022.01)

CPC (source: EP US)

**H04L 45/28** (2013.01 - EP US); **H04L 47/15** (2013.01 - EP US); **H04L 47/70** (2013.01 - EP US); **H04L 47/724** (2013.01 - EP US); **H04L 47/728** (2013.01 - EP US); **H04L 47/746** (2013.01 - EP US); **H04L 47/825** (2013.01 - EP US)

Citation (search report)

See references of WO 03071745A1

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