Title (en)

METHOD FOR SELECTING USEFUL ROUTES IN A ROUTER FOR EVEN TRAFFIC DISTRIBUTION IN A COMMUNICATION NETWORK

Title (de)

VERFAHREN ZUR AUSWAHL SINNVOLL NUTZBARER ROUTEN IN EINEM ROUTER ZUR GLEICHMÄSSIGEN VERKEHRSVERTEILUNG IN EINEM KOMMUNIKATIONSNETZ

Title (fr)

PROCEDE DE SELECTION DE ROUTES PERTINENTES DANS UN ROUTEUR POUR UNE REPARTITION DE TRAFIC UNIFORME DANS UN RESEAU DE COMMUNICATION

Publication

EP 1428360 A1 20040616 (DE)

Application

EP 02776690 A 20020920

Priority

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- DE 10161547 A 20011214

Abstract (en)

[origin: WO03026228A1] Connectionless Internet protocols make use of the principle of routes. The routes implicitly lay down which path the data packets of a communication relation (flow) will take through the network. When a data packet of a so far unknown flow occurs for the first time, the router selects a route which is used for all subsequent data packets of said flow. These routes usually terminate on the same neighboring node. The aim of the invention is to achieve an adequate quality of service (QoS) also for connectionless communication networks, by evenly distributing the flows to the routes in the network in order to achieve an as even a distribution of traffic as possible, which conventional distribution fan–out structures have so far been incapable of achieving. According to the invention, a selection of useful routes between the router and the target address via which the information is guided to the target is locally determined in the router.

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H04L 12/56; H04Q 11/04

IPC 8 full level

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Citation (search report)

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