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(54) Title: ROUTING INFORMATION MAINTENANCE METHOD AND APPARATUS, AND NETWORK DEVICE AND STORAGE MEDIUM

(54) 发明名称: 路由信息维护方法、装置、网络设备和存储介质

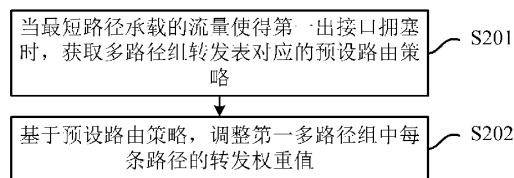


图 2

- S201 When traffic borne by the shortest path makes a first egress interface congested, acquire a preset routing policy corresponding to a multi-path group forwarding table
- S202 On the basis of the preset routing policy, adjust a forwarding weight value of each path in a first multi-path group

(57) Abstract: The embodiments of the present application relate to the technical field of communications. Provided are a routing information maintenance method and apparatus, and a network device and a storage medium. The method is applied to a first network device, wherein the first network device comprises a multi-path group forwarding table, a first multi-path group corresponding to the multi-path group forwarding table comprises the shortest path and a non-shortest path, each path is configured to indicate a path between the first network device and a second network device, and a forwarding table entry of the shortest path comprises a first egress interface of the first network device. The method comprises: when traffic borne by the shortest path makes a first egress interface congested, acquiring a preset routing policy corresponding to a multi-path group forwarding table; and on the basis of the preset routing policy, adjusting a forwarding weight value of each path in a first multi-path group, wherein the forwarding weight value of each path is configured to represent the proportion of traffic borne by the path when the path is selected from among multiple paths for message forwarding. In this way, the overall bandwidth utilization rate of a network can be increased.

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SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ,
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本国际公布:
— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本申请实施例提供了一种路由信息维护方法、装置、网络设备和存储介质, 涉及通信技术领域。该方法应用于第一网络设备, 第一网络设备包括多路径组转发表, 多路径组转发表对应的第一多路径组包括最短路径和非最短路径, 每条路径均用于指示第一网络设备与第二网络设备之间的路径; 最短路径的转发表项包括第一网络设备的第一出接口; 该方法包括: 当最短路径承载的流量使得第一出接口拥塞时, 获取多路径组转发表对应的预设路由策略; 基于预设路由策略, 调整第一多路径组中每条路径的转发权重值, 每条路径的转发权重值用于表示从多条路径中选择该路径进行报文转发时, 该路径承载的流量比例。如此, 可以提高网络的整体带宽利用率。