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(54) **Title:** PACKET FORWARDING METHOD AND APPARATUS, NETWORK DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 报文转发方法、装置、网络设备及存储介质

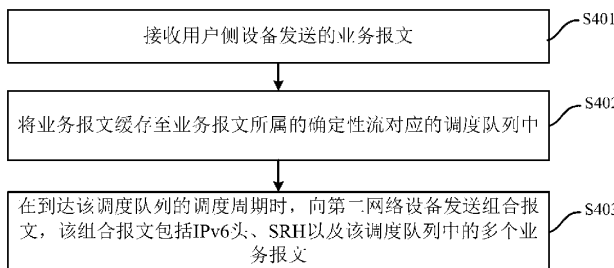


图 4

- S401 Receive a service packet sent by a user-side device
S402 Cache the service packet into a scheduling queue corresponding to a deterministic flow to which the service packet belongs
S403 When the scheduling cycle of the scheduling queue is reached, send a combined packet to a second network device, the combined packet comprising an IPv6 header, an SRH, and a plurality of service packets in the scheduling queue

(57) **Abstract:** The present application relates to the technical field of network communications, and provides a packet forwarding method and apparatus, a network device, and a storage medium. The method is applied to a first network device, and the method comprises: receiving a service packet sent by a user-side device; caching the service packet into a scheduling queue corresponding to a deterministic flow to which the service packet belongs; and when the scheduling cycle of the scheduling queue is reached, sending a combined packet to a second network device, the combined packet comprising an IPv6 header, a segment routing header (SRH), and a plurality of service packets in the scheduling queue. Thus, the bandwidth utilization rate can be improved.

(57) **摘要:** 本申请提供一种报文转发方法、装置、网络设备及存储介质, 涉及网络通信技术领域。该方法应用于第一网络设备, 该方法包括: 接收用户侧设备发送的业务报文; 将业务报文缓存至业务报文所属的确定性流对应的调度队列中; 在到达调度队列的调度周期时, 向第二网络设备发送组合报文, 组合报文包括IPv6头、段路由头SRH以及调度队列中的多个业务报文。可以提高带宽利用率。

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WO 2025/065229 A1

SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ,
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