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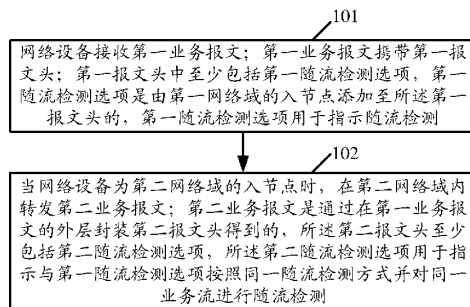
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(54) Title: IN-SITE OAM METHOD AND ELECTRONIC DEVICE

(54) 发明名称: 随流检测方法和电子设备



101 A network device receives a first service packet, the first service packet carrying a first packet header, wherein the first packet header comprises at least a first in-site OAM option; the first in-site OAM option is added to the first packet header by means of an ingress node of a first network domain, and the first in-site OAM option is used for indicating in-site OAM option

102 When the network device is an ingress node of a second network domain, forward a second service packet in the second network domain, wherein the second service packet is obtained by encapsulating a second packet header in an outer layer of the first service packet; the second packet header comprises at least a second in-site OAM option; and the second in-site OAM option is used for indicating that in-site OAM is performed on the same service flow in the same in-site OAM mode as the first in-site OAM option.

图 1

(57) Abstract: The present application provides an in-site OAM method and an electronic device. In the present application, even if a first service packet is forwarded across domains, e.g., from a first network domain to a second network domain, when receiving the first service packet, an ingress node of the second network domain does not simply encapsulate the first service packet on basis of the second network domain, but refers to a first in-site OAM option carried by the first service packet, such that a packet header encapsulated in an outer layer of the first service packet carries a second in-site OAM option, to implement in-site OAM of the second network domain on the basis of the second in-site OAM option, thereby implementing in-site OAM in the cross-domain forwarding of the first service packet.

(57) 摘要: 本申请提供了随流检测方法和电子设备。本申请中, 即使第一业务报文跨域转发比如从第一网络域跨至第二网络域转发, 第二网络域的入节点在接收到第一业务报文时, 并非简单地基于第二网络域对第一业务报文进行封装, 而是在封装时还参考第一业务报文携带的第一随流检测选项以使在第一业务报文的外层封装的报文头携带第二随流检测选项, 实现基于第二随流检测选项在第二网络域进行随流检测, 实现了第一业务报文跨域转发时的随流检测。

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IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT,
RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

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— 包括国际检索报告(条约第21条(3))。