



US 20230231804A1

(19) **United States**(12) **Patent Application Publication**
QIU(10) **Pub. No.: US 2023/0231804 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **IN-SITU FLOW DETECTION METHOD AND ELECTRONIC DEVICE**(52) **U.S. CL.**CPC **H04L 45/566** (2013.01); **H04L 45/38** (2013.01); **H04L 45/74** (2013.01)(71) Applicant: **New H3C Technologies Co., Ltd.**,
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ABSTRACT(72) Inventor: **Yuanxiang QIU**, Beijing (CN)(21) Appl. No.: **18/001,865**(22) PCT Filed: **Mar. 25, 2021**(86) PCT No.: **PCT/CN2021/082981**

§ 371 (c)(1),

(2) Date: **Dec. 14, 2022****Publication Classification**(51) **Int. Cl.****H04L 45/00** (2006.01)**H04L 45/74** (2006.01)

Embodiments of the present disclosure provide an in-situ flow detection method and an electronic device. The method includes: receiving a first service packet carrying a first packet header, where the first packet header includes at least a first in-situ flow detection option which is added to the first packet header by an ingress node of a first network domain and is for indicating an in-situ flow detection; and when the network device is an ingress node of a second network domain, forwarding a second service packet in the second network domain; where 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 includes at least a second in-situ flow detection option.

