US 20230231805A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0231805 A1**

PENG et al. (43) **Pub. Date: Jul. 20, 2023**

(54) **PACKET HEADER INFORMATION OBTAINING METHOD, PACKET GENERATION METHOD, DEVICE, AND STORAGE MEDIUM**

(71) Applicant: **HUAWEI TECHNOLOGIES CO., LTD.**, Shenzhen (CN)

(72) Inventors: **Shuping PENG**, Beijing (CN); **Yang XIA**, Beijing (CN); **Jingrong XIE**, Beijing (CN)

(73) Assignee: **HUAWEI TECHNOLOGIES CO., LTD.**, Shenzhen, GD (CN)

(21) Appl. No.: **18/192,037**

(22) Filed: **Mar. 29, 2023**

Related U.S. Application Data

(63) Continuation of application No. PCT/CN2021/120790, filed on Sep. 26, 2021.

(30) **Foreign Application Priority Data**

Sep. 30, 2020 (CN) 202011066254.5

Publication Classification

(51) **Int. Cl.**
H04L 45/00 (2006.01)
H04L 45/741 (2006.01)

(52) **U.S. Cl.**
CPC ***H04L 45/566*** (2013.01); ***H04L 45/38*** (2013.01); ***H04L 45/741*** (2013.01)

(57) **ABSTRACT**

A packet header information obtaining method. The method includes: obtaining, by a communications device, a first packet, where the first packet includes a plurality of extension packet headers; and obtaining an extension header self-describing option from the first packet, where the extension header self-describing option is used to indicate information about the plurality of extension packet headers. Therefore, the communications device obtains, based on the extension header self-describing option in the first packet, a first extension packet header included in the plurality of extension packet headers. Packet header information of the extension packet header in the first packet can be obtained by using the extension header self-describing option, and the first extension packet header that needs to be parsed can be directly located from the first packet by using the obtained packet header information.