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(54) Title: DATA PROCESSING METHOD AND APPARATUS, AND NETWORK DEVICE AND COMMUNICATION SYSTEM

(54) 发明名称: 数据处理方法、装置、网络设备和通信系统

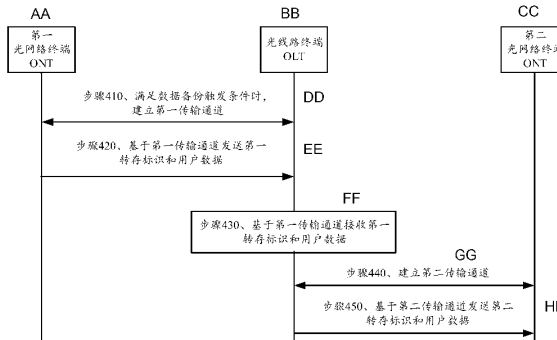


图 4

AA First optical network terminal (ONT)
BB Optical line terminal (OLT)
CC Second ONT
DD Step 410, when a data backup trigger condition is met, establish a first transmission channel
EE Step 420, on the basis of the first transmission channel, send a first transfer identifier and user data
FF Step 430, on the basis of the first transmission channel, receive the first transfer identifier and the user data
GG Step 440, establish a second transmission channel
HH Step 450, on the basis of the second transmission channel, send a second transfer identifier and the user data

(57) Abstract: Disclosed are a data processing method and apparatus, and a network device and a communication system, which relate to the field of optical communications. The method comprises: when a first optical network terminal (ONT) meets a data backup trigger condition, establishing a transmission channel between the first ONT and an optical line terminal (OLT); and the first ONT sending user data to the OLT on the basis of the transmission channel, wherein the OLT, as a transfer medium, stores the user data, such that a second ONT acquires the user data from the OLT. Therefore, when an ONT meets a data backup trigger condition, user data of the

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— 包括国际检索报告(条约第21条(3))。

ONT is backed up by using an OLT, such that a data transmission occasion can be accurately determined, and thus compared with a cloud storage method, the method provided in the present application can effectively improve the storage reliability of data by means of automatic transfer. In addition, in the method provided in the present application, data transfer is realized inside a network having the OLT and the ONT, such that the storage security of the data can be effectively improved.

(57) 摘要: 公开了数据处理方法、装置、网络设备和通信系统, 涉及光通信领域。方法包括: 当第一光网络终端ONT满足数据备份触发条件时, 建立第一ONT与光线路终端OLT的传输通道; 第一ONT基于传输通道向OLT发送用户数据, OLT作为转存媒介存储用户数据。使得第二ONT从OLT获取用户数据。如此, 在ONT满足数据备份触发条件时利用OLT备份ONT的用户数据, 可以准确地确定数据传输时机, 相对于云存储的方法, 本申请提供的方法通过自动转存可以有效地提高数据的存储可靠性。另外, 本申请提供的方法是在OLT和ONT网络内部实现数据转存, 可以有效地提高数据的存储安全性。