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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU,

(54) Title: INFORMATION TRANSMISSION METHOD AND COMMUNICATION APPARATUS

(54) 发明名称: 一种信息传输方法及通信装置

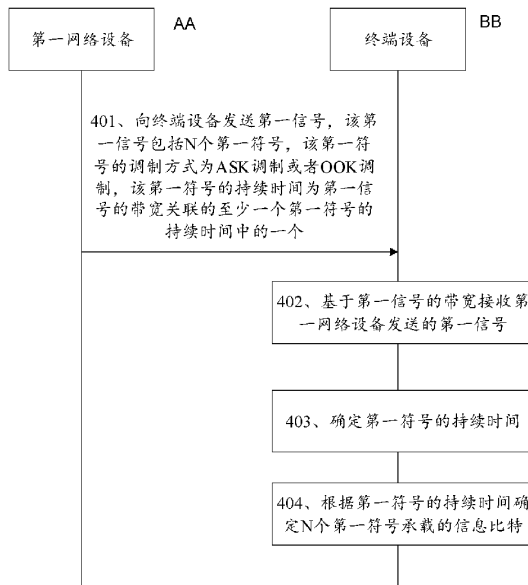


图 4

- 401 Send a first signal to the terminal device, wherein the first signal comprises N first symbols, a modulation method for each first symbol is ASK modulation or OOK modulation, and a duration of each first symbol is one of the durations of at least one first symbol associated with the bandwidth of the first signal
- 402 On the basis of the bandwidth of the first signal, receive the first signal sent by the first network device
- 403 Determine the duration of each first symbol
- 404 According to the durations of the first symbols, determine information bits borne by the N first symbols
- AA First network device
- BB Terminal device

(57) Abstract: Provided in the present application are an information transmission method and a communication apparatus. The method comprises: on the basis of the bandwidth of a first signal, a terminal device receiving the first signal sent by a first network device, wherein the first signal comprises N first symbols, a modulation method for the first symbols is ASK modulation or OOK modulation, N is a positive integer, and the first signal is an orthogonal frequency division multiplexing (OFDM) signal; the terminal device determining a duration of each first symbol, wherein the duration of each first symbol is one of the durations of at least one first symbol

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associated with the bandwidth of the first signal; and according to the durations of the first symbols, the terminal device determining information bits borne by the N first symbols. On the basis of the method described in the present application, there is an association relationship between the bandwidth of a first signal and a duration of a first symbol. On the basis of the association relationship, when the information transmission efficiency and the information transmission performance are ensured, the first signal can be transmitted by using a relatively small bandwidth, thereby improving the utilization rate of frequency-domain resources of a network.

(57) 摘要: 本申请提供了一种信息传输方法及通信装置, 该方法包括: 终端设备基于第一信号的带宽接收第一网络设备发送的第一信号, 第一信号包括N个第一符号, 第一符号的调制方式为ASK或OOK调制, N为正整数, 第一信号为正交频分复用OFDM信号; 终端设备确定第一符号的持续时间, 第一符号的持续时间为第一信号的带宽关联的至少一个第一符号的持续时间中的一个; 终端设备根据第一符号的持续时间确定N个第一符号承载的信息比特。基于本申请所描述的方法, 第一信号的带宽与第一符号的持续时间之间具有关联关系。基于该关联关系, 能够在保证信息传输效率和信息传输性能的情况下, 使用较小的带宽传输第一信号, 从而提高网络频域资源利用率。