

INFORMATION TRANSMISSION METHOD AND COMMUNICATION APPARATUS

ABSTRACT

This application provides an information transmission method and a communication apparatus. The method includes: A terminal device receives, based on a bandwidth of a first signal, the first signal sent by a first network device, where the first signal includes N first symbols, a modulation scheme of the first symbol is ASK or OOK modulation, N is a positive integer, and the first signal is an orthogonal frequency division multiplexing OFDM signal; the terminal device determines duration of the first symbol, where the duration of the first symbol is one of duration of at least one first symbol that is associated with the bandwidth of the first signal; and the terminal device determines, based on the duration of the first symbol, an information bit carried in the N first symbols. Based on the method described in this application, there is an association relationship between the bandwidth of the first signal and the duration of the first symbol. Based on the association relationship, the first signal can be transmitted by using a small bandwidth when information transmission efficiency and information transmission performance are ensured, thereby improving network frequency domain resource utilization.

Fig. 4