

ABSTRACT

An encoding method, a decoding method, and an apparatus are provided, and are applied to support a next-generation Wi-Fi protocol (for example, 802.11be, Wi-Fi 7, or EHT) of IEEE 802.11ax, a next-generation Wi-Fi protocol (for example, 802.11bn, Wi-Fi 8, or UHR) of IEEE 802.11be, Wi-Fi AI, millimeter wave (MMW), ultra-wideband (UWB), sensing, or the like. The method includes: A first communication apparatus obtains an information bit sequence, performs LDPC encoding on the information bit sequence based on a parity check matrix, to obtain an encoded sequence, and outputs the sequence. A length of the sequence is N_1 , where N_1 is n times 1944, and n is an integer greater than or equal to 2. After obtaining to-be-decoded information, a second communication apparatus performs LDPC decoding based on the parity check matrix, to obtain the information bit sequence. The method can improve decoding performance.

Fig. 3