

POLAR CODE ENCODING METHOD AND APPARATUS, AND DECODING METHOD AND APPARATUS

ABSTRACT

This application discloses a polar encoding method, apparatus, and a medium used in wireless communication,
5 to meet transmission of a large amount of data and improve a system throughput. The method includes: obtaining K
to-be-encoded bits, a mother code length N, and a first sequence, where the first sequence includes sequence numbers
of N polarized subchannels, the sequence numbers of the N polarized subchannels are arranged in the first sequence
based on reliability of the N polarized subchannels, $N = 2^n$, $K \leq N$, and K, n, and N are positive integers; and
determining, based on the first sequence, K polarized subchannels used to contain the K to-be-encoded bits, and
10 performing polarization encoding on the K to-be-encoded bits to obtain and output an encoded bit sequence.

FIG. 2