COMMUNICATION METHOD AND COMMUNICATION APPARATUS

ABSTRACT

A communication method and a communication apparatus are provided. The method includes: determining a number of coded bits corresponding to to-be-coded information, and determining a length of an LDPC codeword based on the number of coded bits. The length of the LDPC codeword and the number of coded bits satisfy the following condition: when the number of coded bits is within a first value range, the length of the LDPC codeword is a first code length; or when the number of coded bits is within a second value range, if the number of coded bits is greater than or equal to a sum of a bit length corresponding to the to-be-coded information and a product of X and (1−R), the length of the LDPC codeword is the first code length; or if the number of coded bits is less than the sum of the bit length corresponding to the to-be-coded information and the product of X and (1−R), the length of the LDPC codeword is a second code length. R is a coding rate, and X is a common multiple of denominators of all coding rates supported by a system. A maximum LDPC code length supported by the system is 1944×n, where n is an integer greater than or equal to 2, and both the first code length and the second code length are less than or equal to 1944×n; and/or X=Y+Zt, where Z is a least common multiple of the denominators of all the coding rates supported by the system, all the coding rates include 7/8, and t is an integer greater than or equal to −2 and less than or equal to 2, and Y makes a proportion of parity bits punctured in a coding process to all parity bits less than a first threshold.

FIG. 5