

LDPC CODE-BASED COMMUNICATION METHOD AND COMMUNICATION APPARATUS

ABSTRACT

5 This application provides an LDPC base graph construction manner. An LDPC base graph
may be obtained based on a storage matrix and indication information that indicates a
correspondence between rows of the storage matrix or a correspondence between rows of the
expected LDPC base graph. In addition, in a process of obtaining the LDPC base graph, a total
quantity of edges that correspond to non-extended columns and that are in a Tanner graph may not
be changed. Therefore, the manner provided in this application helps maintain calculation
10 complexity of an LDPC code, and in particular, helps reduce calculation complexity of an LDPC
code in a scenario in which a high code rate is extended to a low code rate, to improve decoding
efficiency.

15 FIG. 3