

ALIGNMENT MARKER SEARCH METHOD AND APPARATUS, SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM

ABSTRACT

5 This application relates to the field of communication technologies, and discloses an alignment marker search method and apparatus, a system, and a computer-readable storage medium. The method includes: A first module receives a first data stream, where the first data stream is obtained by multiplexing a plurality of second data streams at a reference granularity, any second data stream includes an AM and data from at least one FEC codeword, and the reference granularity is a quantity of bits corresponding to n symbols included in the FEC
10 codeword; obtains a first data segment from a first location in the first data stream at the reference granularity; and performs AM search on the first data segment. In the method, the reference granularity is the quantity of bits corresponding to the n symbols. Therefore, when a burst bit error occurs in the first data stream, a quantity of symbols affected by the burst bit error is small. In comparison with a data stream obtained through bit multiplexing, the first data stream in this
15 method has higher tolerance to the burst bit error.

(Fig.2)