

SIGNAL PROCESSING METHOD AND APPARATUS

ABSTRACT

This application discloses a signal processing method and an apparatus. The method includes:
A transmit device generates a PPDU, and sends the PPDU; and a receive device receives the PPDU,
5 and processes M sequences carried in the PPDU. The PPDU shown in this application includes a
first field, the first field is used for carrying M sequences, the M sequences correspond to M space-
time streams, one sequence corresponds to one space-time stream, and M is a positive integer. In
addition, the M sequences include a first sequence, cross-correlation energy between the first
sequence and at least two of the M sequences within a length range of a Golay complementary
10 sequence is zero when M is greater than 2, autocorrelation side lobe energy of the first sequence
within the length range of the Golay complementary sequence is zero, the first sequence is obtained
based on a channel estimation CE sequence, and the Golay complementary sequence is used for
constructing the CE sequence. According to the method provided in this application, sequence
sending efficiency can be effectively improved.

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FIG. 7