

BEAM ALIGNMENT TRAINING METHOD AND APPARATUS

ABSTRACT

5 This application provides a beam alignment training method and apparatus. The method includes: A transmit end sends M pieces of first beam measurement data, where the M pieces of first beam measurement data correspond to M measurement beams; the transmit end receives a combination coefficient set, where the combination coefficient set is determined by a receive end based on the M pieces of first beam measurement data, the combination coefficient set includes M
10 beam weighting coefficients, an m^{th} beam weighting coefficient corresponds to an m^{th} piece of first beam measurement data, the m^{th} beam weighting coefficient represents a weight value of an m^{th} measurement beam in the M measurement beams, $1 \leq m \leq M$, and m and M are positive integers; and the transmit end determines a combined beam based on the combination coefficient set and the M measurement beams. In this way, the combined beam can better match an actual air interface
15 channel direction, and a channel gain can be better used, thereby implementing precise beam alignment and improving coverage performance.

Fig. 5