

BEAM ALIGNMENT METHOD AND APPARATUS

ABSTRACT

This application provides a beam alignment method. The method may be applied to a WLAN system that supports 802.11 series protocols such as IEEE 802.11ax (Wi-Fi 6), 802.11be (Wi-Fi 7) or 802.11bn (Wi-Fi 8), and may be further applied to another wireless protocol, standard, and wireless communication system that have a beam alignment phase. The method includes: A first station obtains first information, where the first information indicates a first beam group and a second beam group, and obtains a first measurement result of the first beam group and a second measurement result of the second beam group based on the first information, where the first measurement result and the second measurement result are used to determine a target beam used for beam alignment, and are further used to determine stopping of beam measurement. To-be-measured beams are grouped, so that the first station can stop beam measurement in a measurement process, thereby reducing beam training overheads.

(FIG.4)