

MULTI-LINK COMMUNICATION METHOD AND APPARATUS

ABSTRACT

A multi-link communication method and an apparatus are disclosed, are used in a wireless local area network system that supports 802.11 series protocols such as a next-generation Wi-Fi protocol of IEEE 802.11ax, for example, 802.11be, Wi-Fi 7, or EHT, and a next-generation protocol of 802.11be, for example, Wi-Fi 8, UHR, or Wi-Fi AI, and may be further used in an ultra-wideband UWB-based wireless personal local area network system and a sensing (sensing) system. The method includes: A STA sends a communication frame, and correspondingly, an AP receives the communication frame. The communication frame may include n multi-link elements, and each multi-link element corresponds to one collocated AP MLD. The multi-link element includes identifier information of a non-collocated AP MLD and identifier information of the collocated AP MLD, and n collocated AP MLDs are affiliated with one non-collocated AP MLD. This can quickly and effectively identify the collocated AP MLD.

FIG. 7