

PPDU TRANSMISSION METHOD BASED ON FREQUENCY BAND STITCHING AND APPARATUS

ABSTRACT

5 This application relates to a PPDU transmission method based on frequency band stitching
and a related apparatus. The method includes: A communication apparatus generates and sends a
PPDU, where the PPDU includes a first segment and a second segment, transmission frequency
bands of the two segments are different, and an inactive segment exists between the two segments;
and the communication apparatus does not transmit a UWB pulse within duration of the inactive
segment. According to this application, a frequency switching requirement can be met. This
10 application is applied to a UWB-based WPAN system, a sensing system, or the like, including
802.15 series protocols, for example, 802.15.4ab or a next-generation standard of 802.15.4ab. This
application may be further applied to a WLAN system supporting 802.11 series protocols such as
a next-generation protocol of 802.11ax like 802.11be, Wi-Fi 7, or EHT, a next-generation protocol
of 802.11be like Wi-Fi 8 or UHR, or Wi-Fi AI.

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FIG. 6