

ABSTRACT

COMMUNICATION RESOURCE ALLOCATION METHOD AND APPARATUS, DATA TRANSMISSION METHOD AND APPARATUS, AND ACCESS POINT

5

The present disclosure relates to a communication resource allocation method and apparatus, a data transmission method and apparatus, a resource allocation message frame, an access point, a station, and a computer-readable storage medium. The communication resource allocation method comprises: generating a resource allocation message frame, wherein the resource allocation message frame comprises multiple frequency band information bits, and
10 communication resource information corresponding to each frequency band identified by the multiple frequency band information bits, and multiple frequency bands identified by the multiple frequency band information bits and the communication resource information corresponding to each frequency band are used by at least one station to transmit uplink data;
15 and sending the resource allocation message frame to the at least one station. According to the embodiments of the present disclosure, by means of generating the resource allocation message frame, which comprises the multiple frequency band information bits, and the communication resource information corresponding to each frequency band identified by the multiple frequency band information bits, and sending the resource allocation message frame to the at
20 least one station, the at least one station can simultaneously perform data transmission with an AP under the multiple frequency bands, thereby improving the network throughput.

[Fig. 1]