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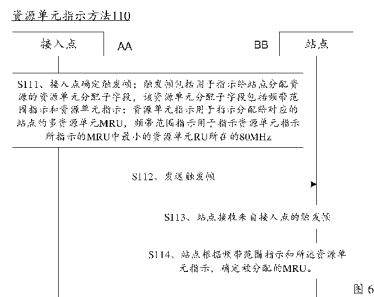
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(54) Title: RESOURCE UNIT INDICATION METHOD, ACCESS POINT AND STATION

(54) 发明名称: 资源单元指示方法、接入点及站点



(57) Abstract: Provided are a resource unit indication method, an access point and a station. In the method, a resource unit sub-field in a trigger frame comprises a frequency band range indication and a resource unit indication, wherein the resource unit indication is used for indicating an MRU allocated to a station, and the frequency band range indication is used for indicating a frequency band range where an RU in the MRU is located, for example, the resource unit indication is used for indicating 80 MHz where the smallest RU in the MRU is located, such that the frequency band range indication not only indicates a frequency band range related to the MRU, but can also carry more information, such as a frequency band range where the smallest RU is located. It can be seen that the present application can be applied to 802.11ax, 802.11be and future WiFi systems, and in comparison with the current manner in which a frequency band range indication only indicates the lowest frequency band range related to an MRU, the present application is beneficial to reducing the number of indexes needing to be indicated by a resource unit indication, thereby saving on the system signaling overhead.

- 110 Resource unit indication method
S111 The access point determines a trigger frame, wherein the trigger frame comprises a resource unit allocation sub-field for indicating that resources are allocated to the station, the resource unit allocation sub-field comprises a frequency band range indication and a resource unit indication, the resource unit indication is used for indicating a multi-resource unit (MRU) allocated to a corresponding station, and the frequency band range indication is used for indicating 80 MHz where the smallest resource unit (RU) in the MRU indicated by the resource unit indication is located
S112 Send the trigger frame
S113 The station receives the trigger frame from the access point
S114 The station determines the allocated MRU according to the frequency band range indication and the resource unit indication
AA Access point
BB Station

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NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布：

- 包括国际检索报告(条约第21条(3))。
- 包括经修改的权利要求(条约第19条(1))。

(57) 摘要：本申请提供了一种资源单元指示方法、接入点及站点。该方法中，触发帧中资源单元子字段包括频带范围指示和资源单元指示；资源单元指示用于指示站点被分配的MRU，频带范围指示用于指示该MRU中一个RU所在的频带范围，如资源单元指示用于指示该MRU中最小的RU所在的80MHz，从而使得频带范围指示不仅指示MRU相关的频带范围，还能够携带更多的信息，如最小的RU所在的频带范围。可见，本申请可应用于802.11ax，802.11be以及未来的WiFi系统中，与目前频带范围指示仅指示MRU相关的最低频带范围的方式相比，有利于节省资源单元指示所需指示的索引个数，从而节约系统信令开销。