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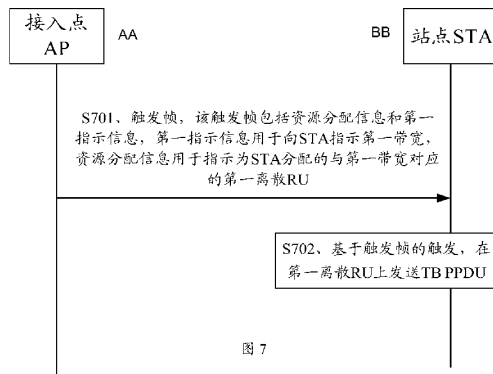
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(54) Title: COMMUNICATION METHOD AND COMMUNICATION APPARATUS IN WIRELESS LOCAL AREA NETWORK

(54) 发明名称: 一种无线局域网中的通信方法及通信装置



S701 Trigger frame, wherein the trigger frame comprises resource allocation information and first indication information, the first indication information is used for indicating a first bandwidth to the STA, and the resource allocation information is used for indicating a first discrete RU that corresponds to the first bandwidth and is allocated to the STA

S702 On the basis of the triggering of the trigger frame, send a TB PPDU on the first discrete RU

AA Access point (AP)
BB Station (STA)

(57) Abstract: A communication method and a communication apparatus in a wireless local area network, which can be applied to a wireless local area network system supporting IEEE 802.11ax next generation WiFi protocols, such as 802.11be, Wi-Fi 7 or EHT, and 802.11 series protocols such as 802.11be next generation and Wi-Fi 8. The method comprises: an access point generates a trigger frame, and sends the trigger frame to a station. The trigger frame comprises resource allocation information and first indication information. The first indication information is used for indicating a first bandwidth to the station, and the resource allocation information is used for indicating a first discrete RU that corresponds to the first bandwidth and is allocated to the station. The first bandwidth is the bandwidth of at least one sub-channel occupied by subcarriers included in the first discrete RU. By means of the method, the station can determine in which bandwidth range the allocated RU is discrete, for example, within a maximum bandwidth supported by the station, for another example, within the bandwidth other than that which is punctured, thereby improving the transmit power of the station.

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BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR,
HU, IE, IS, IT, LT, LU, LV, MC, ME, 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))。

(57) 摘要: 一种无线局域网中的通信方法及通信装置, 可应用于支持IEEE 802.11ax下一代WiFi协议, 如802.11be, Wi-Fi 7或EHT, 再如802.11be下一代, Wi-Fi 8等802.11系列协议的无线局域网系统。该方法包括: 接入点生成触发帧, 并向站点发送触发帧。该触发帧包括资源分配信息和第一指示信息。第一指示信息用于向站点指示第一带宽, 该资源分配信息用于指示为站点分配的与第一带宽对应的第一离散RU。第一带宽为第一离散RU包括的子载波占用的至少一个子信道的带宽。通过该方法, 站点可以确定被分配的RU在哪个带宽范围内离散, 例如在站点所支持的最大带宽内, 又例如在除被打孔之外的带宽, 从而提高站点的发射功率。