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(54) Title: MULTICAST SERVICE TRANSMISSION METHOD AND DEVICE APPLIED TO MULTIPLE LINKS

(54) 发明名称: 适用于多链路的组播业务传输方法及装置

适用于多链路的组播业务传输方法200

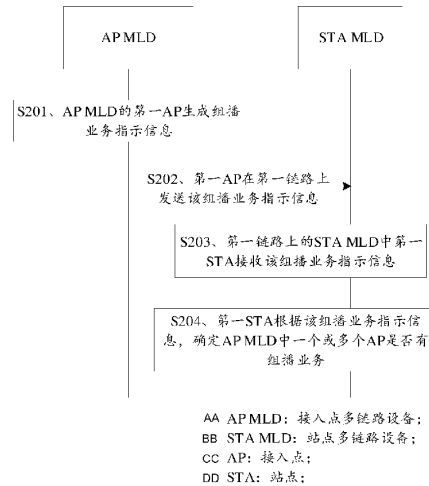


图7

200 MULTICAST SERVICE TRANSMISSION METHOD APPLIED TO MULTIPLE LINKS
S201 A FIRST AP IN AN AP MLD GENERATES MULTICAST SERVICE INDICATION INFORMATION
S202 THE FIRST AP SENDS THE MULTICAST SERVICE INDICATION INFORMATION ON A FIRST LINK
S203 A FIRST STA IN AN STA MLD ON THE FIRST LINK RECEIVES THE MULTICAST SERVICE INDICATION INFORMATION
S204 THE FIRST STA DETERMINES, ACCORDING TO THE MULTICAST SERVICE INDICATION INFORMATION, WHETHER THERE IS A MULTICAST SERVICE AT ONE OR MORE APs IN THE AP MLD
AA AP MLD: ACCESS POINT MULTI-LINK DEVICE
BB STA MLD: STATION MULTI-LINK DEVICE
CC AP: ACCESS POINT
DD STA: STATION

(57) Abstract: The present application provides a multicast service transmission method and device applied to multiple links. In the method, multicast service indication information is used for indicating whether there is a multicast service at each AP in an AP MLD or other APs except a first AP; or the multicast service indication information is used for indicating whether there is a multicast service at each AP in the AP MLD or other APs except the first AP, and each AP in an AP MLD where a non-transmission AP is located or other APs except the non-transmission AP, wherein the non-transmission AP is in a multi-BSSID set where the first AP is located. Therefore,

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GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。

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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))。

the method improves the multicast service notification flexibility to APs, prevents each STA in an STA MLD from respectively detecting whether there is a multicast service at the corresponding AP, and saves the power consumption of the STA MLD. The present application is used for a wireless local area network system supporting a next-generation WiFi EHT protocol of IEEE 802.11ax, such as 802.11 series protocols like 802.11be, etc.

(57) 摘要: 本申请适用于多链路的组播业务传输方法及装置。该方法中, 组播业务指示信息用于指示AP MLD中每个AP或除第一AP之外的其他AP是否有组播业务; 或者组播业务指示信息用于指示AP MLD中每个AP或除第一AP之外的其他AP, 以及第一AP所在多BSSID集合中非传输AP所在AP MLD中每个AP或除该非传输AP之外的其他AP是否有组播业务。可见, 该方法改善了AP的组播业务通知的灵活性, 避免了STA MLD中各STA均侦听对应的AP是否有组播业务, 节省了STA MLD的功耗。本申请应用于支持IEEE 802.11ax下一代WiFi EHT协议, 如802.11be等802.11系列协议的无线局域网系统。