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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) Title: PROBE METHOD FOR MULTI-LINK DEVICE AND COMMUNICATION APPARATUS

(54) 发明名称: 多链路设备的探测方法及通信装置

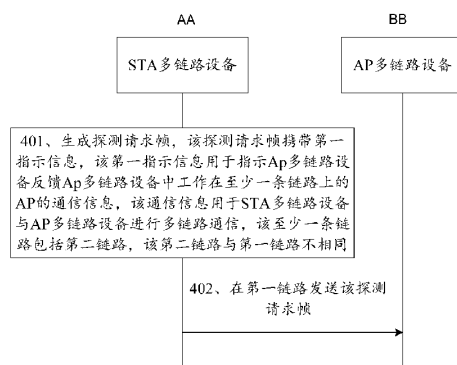


图 4

- 401 Generate a probe request frame, the probe request frame carrying first instruction information, the first instruction information being used for instructing an AP multi-link device to feed back communication information of an AP, in the AP multi-link device, working on at least one link, the communication information being used for an STA multi-link device to perform multi-link communication with the AP multi-link device, the at least one link comprising a second link, and the second link being different from a first link
- 402 Send the probe request frame on the first link
- AA STA multi-link device
- BB AP multi-link device

(57) Abstract: The present application discloses a probe method for a multi-link device and a communication apparatus, which can be applied to a wireless local area network supporting an 802.11be standard. Said method comprises: an STA multi-link device generating a probe request frame, the probe request frame carrying first instruction information, for instructing an AP multi-link device to feed back communication information of an AP, in the AP multi-link device, working on at least one link, the communication information being used for the STA multi-link device to perform multi-link communication with the AP multi-link device, the at least one link

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comprising a second link, and the second link being different from a first link; and the STA multi-link device sending the probe request frame on the first link, and further, the STA multi-link device receiving, on the first link, the communication information of the AP on the at least one link, fed back by the AP multi-link device. Hence, on the basis of the method disclosed in the present application, an STA multi-link device can acquire communication information of an AP working on a second link in a timely manner.

(57) 摘要: 本申请公开了多链路设备的探测方法及通信装置, 可应用于支持802.11be标准的无线局域网中, 该方法包括: STA多链路设备生成探测请求帧, 该探测请求帧携带第一指示信息, 用于指示AP多链路设备反馈AP多链路设备中工作在至少一条链路上的AP的通信信息, 通信信息用于STA多链路设备与AP多链路设备进行多链路通信, 该至少一条链路包括第二链路, 该第二链路与第一链路不相同; STA多链路设备在第一链路上发送探测请求帧, 进一步的, STA多链路设备在第一链路上接收AP多链路设备反馈的在至少一条链路上的AP的通信信息。可见, 基于本申请公开的方法, STA多链路设备能够及时地获取工作于第二链路的AP的通信信息。