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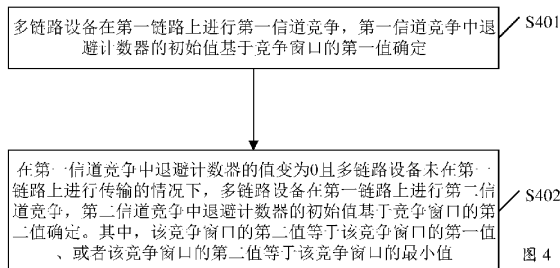
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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) Title: CHANNEL ACCESS METHOD FOR MULTI-LINK DEVICE AND RELATED APPARATUS

(54) 发明名称: 多链路设备的信道接入方法及相关装置



S401 A multi-link device performs first channel contention on a first link, and an initial value of a backoff timer in the first channel contention is determined on the basis of a first value of a contention window

S402 When the value of the backoff timer in the first channel contention is changed to be 0 and the multi-link device does not transmit on the first link, the multi-link device performs second channel contention on the first link, and an initial value of a backoff timer in the second channel contention is determined on the basis of a second value of the contention window, wherein the second value of the contention window is equal to the first value of the contention window or the second value of the contention window is equal to the minimum value of the contention window

图 4

(57) Abstract: The present application relates to the field of wireless communication, and in particular to a channel access method for a multi-link device and a related apparatus, for example, applied to a wireless local area network supporting 802.11b standards. The method comprises: the multi-link device performs first channel contention on a first link, and an initial value of a backoff timer in the first channel contention is determined on the basis of a first value of a contention window; when the value of the backoff timer in the first channel contention is changed to be 0 and transmission is not performed on the first link, the multi-link device can perform second

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channel contention on the first link, and an initial value of a backoff timer in the second channel contention is determined on the basis of a second value of the contention window, the second value being equal to the first value or the minimum value of the contention window. Adoption of embodiments of the present application can achieve a balance between backoff time and a contention conflict probability.

(57) 摘要: 本申请涉及无线通信领域, 尤其涉及一种多链路设备的信道接入方法及相关装置, 比如应用于支持802.11be标准的无线局域网中。该方法包括: 多链路设备在第一链路上进行第一信道竞争, 第一信道竞争中退避计数器的初始值基于竞争窗口的第一值确定; 在第一信道竞争中退避计数器的值变为0且未在第一链路上进行传输的情况下, 多链路设备可以在第一链路上进行第二信道竞争, 第二信道竞争中退避计数器的初始值基于竞争窗口的第二值确定; 第二值等于第一值或竞争窗口的最小值。采用本申请实施例, 可以实现退避时间与竞争冲突概率之间的平衡。