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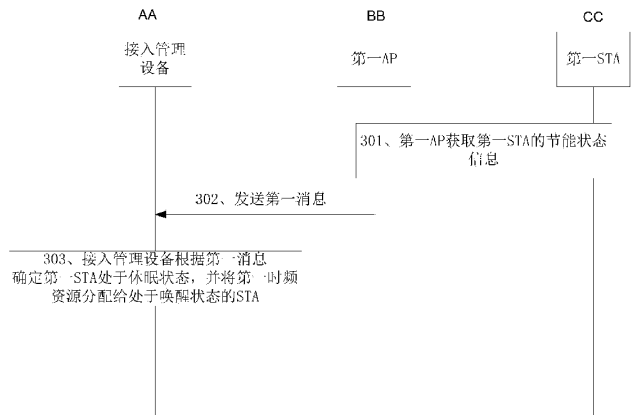
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(54) Title: TIME-FREQUENCY RESOURCE ALLOCATION METHOD AND RELATED DEVICE

(54) 发明名称: 一种时频资源的分配方法及相关设备



301 The first AP acquires energy-saving state information of the first STA
302 Send a first message
303 The access management device determines, according to the first message, that the first STA is in a dormant state, and then allocates a first time-frequency resource to an STA that is in a wakeup state
AA Access management device
BB First AP
CC First STA

(57) Abstract: Disclosed in the embodiments of the present application are a time-frequency resource allocation method and a related device. The method in the embodiments of the present application comprises: first, an AP acquiring first state information of a first STA associated with the AP, wherein the first state information includes the first STA entering a dormant state; then, the AP sending a first message to an access management device, wherein the first message is used for indicating that the first STA enters the dormant state; and afterward, the access management device updating state information, which is locally maintained, of the first STA according

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to the first message, and then performing time-frequency resource scheduling to allocate a first time-frequency resource to an STA that is in a wakeup state. By means of the method, even if there is data to be transmitted between a first AP and a first STA, no time-frequency resource is occupied to perform data exchange with the first STA that enters a dormant state, thereby avoiding a waste of time-frequency resources.

(57) 摘要: 本申请实施例公开了一种时频资源的分配方法及相关设备。本申请实施例方法包括: 首先, AP获取与AP关联的第一STA的第一状态信息, 该第一状态信息包括第一STA进入休眠状态。之后, AP向接入管理设备发送第一消息, 第一消息用于指示第一STA进入休眠状态。进而, 接入管理设备根据第一消息更新本地维护的第一STA的状态信息, 并进行时频资源调度以将第一时频资源分配给处于唤醒状态的STA。通过上述方式, 就算第一AP与第一STA之间具有待传输的数据, 也不会占用时频资源与进入休眠状态的第一STA进行数据交互, 避免了时频资源的浪费。