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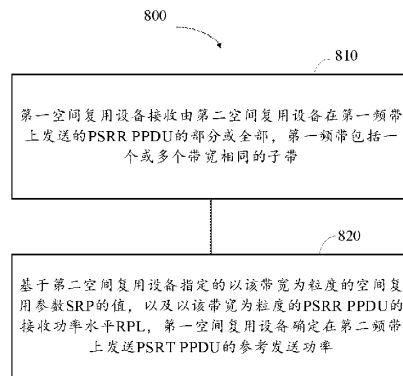
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(54) Title: SPATIAL REUSE METHOD AND APPARATUS, DEVICE, AND MEDIUM

(54) 发明名称: 空间复用方法、装置、设备和介质



810 A first spatial reuse device receives some or all of PSRR PPDU's transmitted by a second spatial reuse device over a first frequency band, the first frequency band comprising one or more subbands having the same bandwidth

820 On the basis of a value of a spatial reuse parameter (SRP) using the bandwidth as granularity and designated by a second spatial reuse device and the received power level (RPL) of the PSRR PPDU's using the bandwidth as granularity, the first spatial reuse device determines a reference transmission power for transmitting a PSRT PPDU over a second frequency band

图 8

(57) Abstract: Provided are a spatial reuse method and apparatus, a device, and a medium. In the method, a first spatial reuse device receives some or all of PSRR PPDU's transmitted by a second spatial reuse device over a first frequency band, the first frequency band comprising one or more subbands having the same bandwidth; and on the basis of a value of a spatial reuse parameter (SRP) using the bandwidth as granularity and the received power level (RPL) of the PSRR PPDU's using the bandwidth as granularity, the first spatial reuse device determines a reference transmission power for transmitting a PSRT PPDU over a second frequency band, the second frequency band comprising one or more subbands having the bandwidth, and the second frequency band at least partially overlapping the first frequency band. The RPL of the PSRR PPDU's using the bandwidth as granularity is determined on the basis of one or more of the following: one or more subbands in the first frequency band occupied by some or all of the PSRR PPDU's received by the first spatial reuse device, or a subband in the first frequency band or the second frequency band that is not punctured. Therefore, the interference in reception of the spatial reuse device is reduced, and the system efficiency is improved.

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本国际公布:

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 提供了空间复用方法、装置、设备和介质。该方法中, 第一空间复用设备接收由第二空间复用设备在第一频带上发送的PSRR PPDU的部分或全部, 第一频带包括一个或多个带宽相同的子带。基于以该带宽为粒度的空间复用参数SRP的值以及以该带宽为粒度的PSRR PPDU的接收功率水平RPL, 第一空间复用设备确定在第二频带上发送PSRT PPDU的参考发送功率。第二频带包括一个或多个具有该带宽的子带, 第二频带与第一频带至少部分重叠。以该带宽为粒度的PSRR PPDU的RPL基于以下中的一项或多项来确定: 第一空间复用设备接收到的PSRR PPDU的部分或全部所占用的第一频带中的一个或多个子带、或者第一频带或第二频带中未打孔的子带。由此, 减少了对空间复用设备接收造成的干扰, 提升了系统效率。