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- (54) Title: POWER HEADROOM REPORTING METHOD BASED ON MULTI-PANEL TRANSMISSION, AND APPARATUS
- (54) 发明名称: 一种基于多面板传输的功率余量上报方法及装置

响应于终端设备在承载媒体接入控制控制单元MAC CE PHR上报的物理上行共享信道PUSCH对应的第一个发送时隙上或在符合时间线要求的时隙上, 对应PUSCH配置为多个发射接收点TRP的上行多panel同时传输STxMP, 实际发送PUSCH为从单个panel向单个TRP的传输, 基于所述终端设备的最大功率配置, 至少按照一个实际PH计算并上报功率余量报告PHR

图 2

201 In response to a terminal device actually transmitting a physical uplink shared channel (PUSCH) on a first transmission time slot corresponding to a PUSCH carrying media access control control element power headroom report (MAC CE PHR) reporting, or on a time slot satisfying a timeline requirement, the corresponding PUSCH being configured to perform uplink simultaneous transmission via multi-panel (STxMP) of multiple transmission/reception points (TRPs), and the actual transmission of the PUSCH being a transmission from a single panel to a single TRP, calculate and report a PHR on the basis of a maximum power configuration of the terminal device and at least according to one actual PH

(57) Abstract: Disclosed in embodiments of the present disclosure are a power headroom (HP) reporting method based on multi-panel (MP) transmission, and an apparatus, which can be applied to the technical field of communications. The method executed by an MP terminal device comprises: when a terminal device actually transmits a PUSCH on a first transmission time slot corresponding to a PUSCH carrying MAC CE power headroom report (PHR) reporting, or on a time slot satisfying a timeline requirement, the corresponding PUSCH is configured to perform uplink simultaneous transmission via multi-panel (STxMP) of multiple transmission/reception points (TRPs), and the actual transmission of the PUSCH is a transmission from a single panel to a single TRP, calculating and reporting a PHR on the basis of a maximum power configuration of the terminal device and at least according to one actual PH. Therefore, a network device can determine the PH of each panel according to the PHR reported by the multi-panel terminal device, so that accurate resource scheduling is carried out on each panel, and the reliability of uplink transmission is guaranteed.

本国际公布:

— 包括国际检索报告(条约第21条(3))。

(57) 摘要: 本公开实施例公开了一种基于多面板传输的功率余量上报方法及装置,可应用于通信技术领域,其中,由多面板panel的终端设备执行的方法包括:终端设备在承载MAC CE PHR上报的PUSCH对应的第一个发送时隙上,或者,在符合时间线要求的时隙上,对应PUSCH配置为多个发射接收点TRP的上行多panel同时传输STxMP,实际发送PUSCH为从单个panel面向单个TRP的传输,基于所述终端设备的最大功率配置,至少按照一个实际PH计算并上报功率余量报告PHR。由此,网络设备即可根据多panel终端设备上报的PHR,确定每个panel的PH,从而对每个panel进行准确的资源调度,保障了上行传输的可靠性。