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(54) Title: UPLINK SIGNAL TRANSMISSION METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM

(54) 发明名称: 上行信号发送方法、装置、设备及存储介质

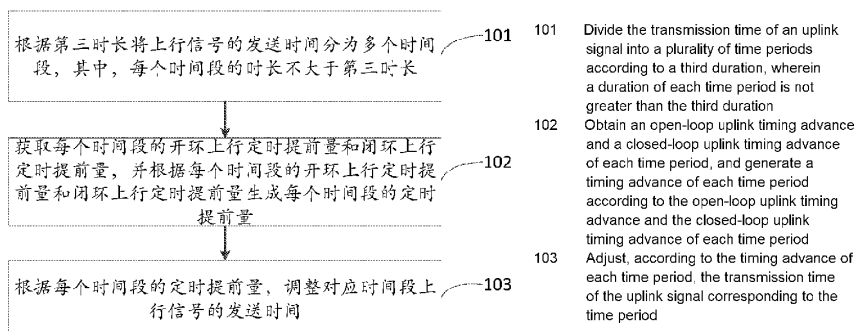


图 1

(57) Abstract: The present invention provides an uplink signal transmission method and apparatus, and a device and a storage medium, and relates to the technical field of mobile communications. The method comprises: dividing the transmission time of an uplink signal into a plurality of time periods according to a third duration; obtaining an open-loop uplink timing advance and a closed-loop uplink timing advance of each time period, and generating a timing advance of each time period according to the open-loop uplink timing advance and the closed-loop uplink timing advance of each time period; and adjusting, according to the timing advance of each time period, the transmission time of the uplink signal corresponding to the time period. Therefore, the transmission time of the uplink signal is adjusted by tracking and compensating for the change of a propagation delay during transmission, thereby avoiding interference between an uplink multi-user and a multi-carrier.

(57) 摘要: 本发明提出了一种上行信号发送方法、装置、设备及存储介质, 涉及移动通信技术领域, 其中, 方法包括: 根据第三时长将上行信号的发送时间分为多个时间段; 获取每个时间段的开环上行定时提前量和闭环上行定时提前量, 并根据每个时间段的开环上行定时提前量和闭环上行定时提前量生成每个时间段的定时提前量; 根据每个时间段的定时提前量, 调整对应时间段上行信号的发送时间。由此, 跟踪和补偿发送期间传播时延的变化, 调整上行信号的发送时间, 避免上行多用户、多载波之间的干扰。

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(84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

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