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(54) Title: UPLINK TRANSMISSION METHOD AND COMMUNICATION APPARATUS

(54) 发明名称: 上行传输的方法和通信装置

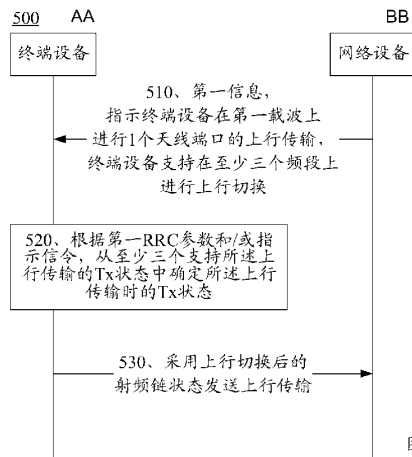


图 11

(57) Abstract: Provided in the present application are an uplink transmission method and a communication apparatus. In the method, according to an RRC parameter and/or an indication signaling from a network side, or according to a predefined selection policy, or according to a combination of supported carriers that can be sent in parallel, or by means of a predefined mode, or on the basis of the use of one or any combination of said modes, a terminal device can determine a radio frequency chain state during current uplink transmission among a plurality of possible radio frequency chain states supporting the current uplink transmission. Thus, the problem can be solved that when the network side implicitly instructs, by indicating the number of antenna ports of the terminal device for uplink transmission on carriers, the terminal device to perform radio frequency chain switching, since there are a plurality of radio frequency chain states supporting the current uplink transmission, the terminal device cannot determine the radio frequency chain state during the current uplink transmission. Therefore, a scenario is supported where the terminal device is configured by the network side to perform radio frequency chain switching on carriers of two or more frequency bands.

510 First information, instructing a terminal device to perform on a first carrier uplink transmission of one antenna port, the terminal device supporting uplink switching on at least three frequency bands
520 According to an RRC parameter and/or an indication signaling, determine a Tx state during the uplink transmission among at least three Tx states supporting the uplink transmission
530 Send the uplink transmission by means of a radio frequency chain state after the uplink switching
AA Terminal device
BB Network device

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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, ME, 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)。

本国际公布：

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要： 本申请提供一种上行传输的方法和通信装置，在该方法中，终端设备根据来自于网络侧的RRC参数和/或指示信令，或者根据预定义的选择策略，或者根据所支持的可以并行发送的载波的组合，或者通过预定义的方式，或者基于这些实现方式中的一个或任意多个的结合使用，可以从支持本次上行传输的多个可能的射频链状态中确定本次上行传输时的射频链状态。由此可以解决网络侧通过指示终端设备在载波上进行上行传输的天线端口的数量来隐含指示终端设备进行射频链切换时，由于支持本次上行传输的射频链状态有多个，导致终端设备无法确定本次上行传输时的射频链状态的问题，以支持终端设备被网络侧配置在两个以上频段的载波上进行射频链切换的场景。