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(54) **Title:** PRECODING INDICATION METHOD AND APPARATUS SUPPORTING 8TX CODEBOOK-BASED PUSCH TRANSMISSION

(54) 发明名称: 支持 8Tx 的基于码本的 PUSCH 传输的预编码指示方法及装置

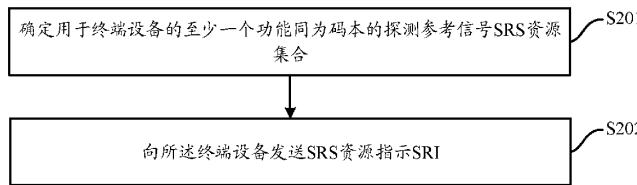


图 2

S201 Determine at least one sounding reference signal (SRS) resource set which is used for a terminal device and functions as a "codebook"
S202 Send an SRS resource indicator (SRI) to the terminal device

(57) **Abstract:** Disclosed in embodiments of the present application are a precoding indication method and apparatus supporting 8Tx codebook-based PUSCH transmission, applicable to communication systems such as 5G new radio (NR) systems or other novel mobile communication systems in future. The method comprises: determining at least one sounding reference signal (SRS) resource set which is used for a terminal device and functions as a "codebook", wherein the plurality of SRS resources form an SRS resource group which is used for uplink channel sounding and corresponds to eight SRS antenna ports; and sending an SRS resource indicator (SRI) to the terminal device. By implementing the embodiments of the present application, a network side device determines at least one SRS resource set which functions as a "codebook", and indicates, by means of an SRI, an SRS resource group which corresponds to eight SRS antenna ports and is used by the terminal device for PUSCH sending, so as to support codebook-based PUSCH sending in the case of eight SRS ports, thereby supporting 8Tx codebook-based transmission using SRS resources defined in existing protocols, preventing the redefining of 8-port SRS resources, and more flexibly implementing SRS resource utilization.

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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: 本申请实施例公开了一种支持8Tx的基于码本的PUSCH传输的预编码指示方法及其装置, 可以应用于5G新空口(new radio, NR)系统, 或者其他未来的新型移动通信系统等通信系统, 该方法包括: 确定用于终端设备的至少一个功能同为"码本"的SRS资源集合, 所述多个SRS资源构成用于上行信道探测的对应8个SRS天线端口的SRS资源组; 向所述终端设备发送SRS资源指示SRI。通过实施本申请实施例, 通过网络侧设备确定至少一个功能同为"码本"的探测参考信号SRS资源集合, 并通过SRI指示终端设备进行PUSCH发送使用的对应8个SRS天线端口的SRS资源组, 用于实现8个SRS端口情况下对基于码本的PUSCH发送的支持, 利用现有协议定义的SRS资源支持了8Tx基于码本的传输, 避免了重新定义8端口SRS资源, 更为灵活实现了SRS的资源利用。