

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 includes: 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.

Fig. 2