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- (71) 申请人: 北京小米移动软件有限公司 (BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.) [CN/CN]; 中国北京市海淀区西二旗中路33号院6号楼8层018号, Beijing 100085 (CN).
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(54) Title: METHOD AND APPARATUS FOR SENDING HARQ-ACK, METHOD AND APPARATUS FOR RECEIVING HARQ-ACK, DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 一种发送、接收HARQ-ACK的方法、装置、设备及存储介质

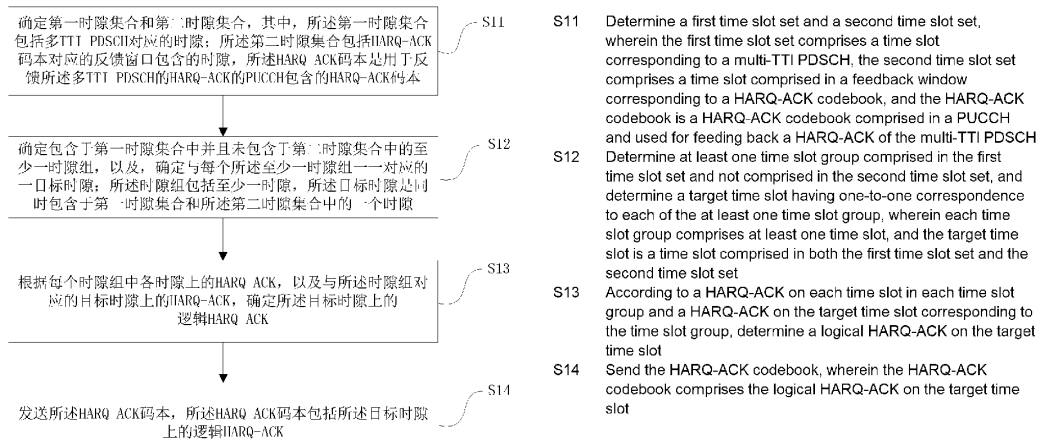


图 1

(57) Abstract: The present application provides a method and apparatus for sending a HARQ-ACK, a method and apparatus for receiving a HARQ-ACK, a device, and a storage medium. The method for sending a HARQ-ACK comprises: determining a first time slot set and a second time slot set, wherein the first time slot set comprises a time slot corresponding to a multi-TTI PDSCH, the second time slot set comprises a time slot comprised in a feedback window corresponding to a HARQ-ACK codebook, and the HARQ-ACK codebook is a HARQ-ACK codebook comprised in a PUCCH and used for feeding back a HARQ-ACK of the multi-TTI PDSCH; determining at least one time slot group comprised in the first time slot set and not comprised in the second time slot set, and determining a target time slot having one-to-one correspondence to each time slot group, wherein the target time slot is a time slot comprised in

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ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
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both the first time slot set and the second time slot set; according to a HARQ-ACK on each time slot in each time slot group and a HARQ-ACK on the target time slot corresponding to the time slot group, determining a logical HARQ-ACK on the target time slot; and sending the HARQ-ACK codebook. The present application may allow a HARQ-ACK codebook sent on a PUCCH indicated by a DCI to feed back HARQ-ACKs of all PDSCHs in multi-TTI PDSCHs.

(57) 摘要: 本公开提供了一种发送、接收HARQ-ACK的方法、装置、设备及存储介质, 此发送HARQ-ACK的方法包括: 确定第一时隙集合和第二时隙集合, 其中, 第一时隙集合包括多TTI PDSCH对应的时隙; 第二时隙集合包括HARQ-ACK码本对应的反馈窗口包含的时隙, 所述HARQ-ACK码本用于反馈所述多TTI PDSCH的HARQ-ACK的PUCCH包含的HARQ-ACK码本; 确定包含于第一时隙集合中并且未包含于所述第二时隙集合中的至少一时隙组以及确定与每个时隙组一一对应的一目标时隙; 所述目标时隙是同时包含于第一时隙集合和所述第二时隙集合中的一个时隙; 根据每个时隙组中各时隙上的HARQ-ACK, 以及与所述时隙组对应的目标时隙上的HARQ-ACK, 确定所述目标时隙上的逻辑HARQ-ACK; 发送所述HARQ-ACK码本。本公开可以使DCI指示的PUCCH上发送的HARQ-ACK码本能反馈多TTI PDSCH中所有PDSCH的HARQ-ACK。