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(54) Title (EN): TCP DELAY PROCESSING METHOD, APPARATUS AND SYSTEM, AND COMPUTER STORAGE MEDIUM THEREOF

(54) Title (FR): PROCÉDÉ, APPAREIL, ET SYSTÈME DE TRAITEMENT DE RETARD TCP, ET SUPPORT DE STOCKAGE INFORMATIQUE ASSOCIÉ

(54) Title (ZH): 一种TCP延时处理方法、装置、系统及其计算机存储介质

(57) Abstract:

(EN): A TCP delay processing method, apparatus and system, and a computer storage medium thereof, relating to the technical field of communications. The method comprises: receiving a TCP data packet sent by a base station (S101); parsing a TCP message and TCP ACK information in the TCP data packet (S102); calculating a TCP RTT delay according to the TCP message and the TCP ACK information (S103); and sending the TCP RTT delay to the base station according to a preset rule (S104). The TCP delay processing method, apparatus and system, and the computer storage medium thereof provided by embodiments can effectively deal with a TCP RTT delay change caused by a change in feedback mode, shorten the delay of a TCP RTT on LTE air interface scheduling, make scheduling resources allocated to a terminal by an LTE network more purposive and targeted, and also make the data acquisition delay of the terminal lower.

(FR): L'invention concerne un procédé, un appareil, et un système de traitement de retard TCP, et un support de stockage informatique associé, se rapportant au domaine technique des communications. Le procédé consiste à : recevoir un paquet de données TCP envoyé par une station de base (S101); analyser un message TCP et des informations ACK TCP dans le paquet de données TCP (S102); calculer un retard RTT TCP selon le message TCP et les informations ACK TCP (S103); et envoyer le retard RTT TCP à la station de base selon une règle prédéfinie (S104) Le procédé, l'appareil, et le système de traitement de retard TCP, et le support de stockage informatique associé fournis par des modes de réalisation de l'invention peuvent traiter efficacement un changement de retard RTT TCP provoqué par un changement de mode de rétroaction, raccourcir le retard d'un RTT TCP sur une

programmation d'interface radio LTE, rendre des ressources de programmation attribuées à un terminal par un réseau LTE plus opportunes et ciblées, et réduire également le retard d'acquisition de données du terminal.

(ZH): 一种TCP延时处理方法、装置、系统及其计算机存储介质,属于通信技术领域,所述方法包括:接收基站发送的TCP数据包(S101);解析所述TCP数据包中的TCP报文和TCP ACK信息(S102);根据所述TCP报文和所述TCP ACK信息计算TCP RTT时延(S103);按照预设规则将所述TCP RTT时延发送给基站(S104)。实施例提供的TCP延时处理方法、装置、系统及其计算机存储介质,能有效地应对因反馈模式变化导致TCP RTT时延变化的情况,缩短了TCP RTT在LTE空口调度上的时延,使得LTE网络分给终端的调度资源更有目的性和针对性,同时也使得终端获取数据的延迟更低。

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