

METHOD, DEVICE AND SYSTEM FOR TRANSMITTING DATA

Abstract

The embodiments of the present invention provide a method, an apparatus and a system for transmitting data. The method includes: an access network entity receives N first data packets which are transmitted from M terminals to the same destination address, wherein the N is greater than 1; the access network entity combines first data payloads of the N first data packets into one second data payload, and adds a second data packet header before the second data payload to form a second data packet, wherein the source address and the destination address in the second data packet are the same as those in at least one of first data packet headers; and the access network entity transmits the second data packet to the server corresponding to the destination address. In the embodiments of the present invention, the access network entity combines first data payloads in N first data packets, which enables the N first data payloads share a common data packet header. Thus, packet header overhead can be effectively reduced, system transmission efficiency is improved, and the access network entity is enabled to perform a single-on-one control on each Machine Type Communication (MTC) device.

Figure 1