

CLAIMS

- 5 1. A method for supporting data duplication, comprising:
 sending, by a transmitting device, a plurality of Radio Link Control (RLC)
Protocol Data Units (PDUs) to a receiving device, wherein an RLC header of at least
one RLC PDU in the plurality of RLC PDUs comprises an indication field and the
indication field is to indicate a radio bearer corresponding to the RLC PDU.
- 10 2. The method of claim 1, wherein the indication field comprises a Logical Channel
Identity (LCID).
3. The method of any one of claims 1-2, wherein the RLC header of the at least one
15 RLC PDU is:
 an RLC header corresponding to the at least one RLC PDU.
4. The method of claim 3, wherein the RLC header is to form a Media Access
Control (MAC) sub-header.
- 20 5. The method of any one of claims 1-2, wherein at least two RLC PDUs in the
plurality of RLC PDUs correspond to different logical channels, and the at least two
RLC PDUs correspond to the same radio bearer.
- 25 6. The method of any one of claims 1-5, wherein the method is applied to an Internet
of vehicles system.
7. A transmitting device, comprising:
 a sending unit, configured to send a plurality of Radio Link Control (RLC)
30 Protocol Data Units (PDUs) to a receiving device, wherein an RLC header of at least
one RLC PDU in the plurality of RLC PDUs comprises an indication field and the
indication field is to indicate a radio bearer corresponding to the RLC PDU.
8. The transmitting device of claim 7, wherein the indication field comprises a

Logical Channel Identity (LCID).

9. The transmitting device of any one of claims 7-8, wherein the RLC header of the at least one RLC PDU is:

5 an RLC header corresponding to the at least one RLC PDU.

10. The transmitting device of claim 9, wherein the RLC header is to form a Media Access Control (MAC) sub-header.

10 11. The transmitting device of any one of claims 7-8, wherein at least two RLC PDUs in the plurality of RLC PDUs correspond to different logical channels, and the at least two RLC PDUs correspond to the same radio bearer.

15 12. The transmitting device of any one of claims 7-11, wherein the transmitting device is applied to an Internet of vehicles system.

13. A receiving device, comprising:

 a receiving unit, configured to receive a plurality of Radio Link Control (RLC) Protocol Data Units (PDUs) sent by a transmitting device; and

20 a processing unit, configured to determine a respective radio bearer corresponding to each RLC PDU in the plurality of RLC PDUs according to a correspondence between a logical channel and a radio bearer.

25 14. The receiving device of claim 13, wherein an RLC header of at least one RLC PDU in the plurality of RLC PDUs comprises an indication field, and the indication field comprises the radio bearer corresponding to the RLC PDU; and

 before the processing unit determines the respective radio bearer corresponding to each RLC PDU in the plurality of RLC PDUs according to the correspondence between the logical channel and the radio bearer, the processing unit
30 is further configured to determine the correspondence between the logical channel and the radio bearer according to the indication field in the RLC header of the at least one RLC PDU.

15. The receiving device of claim 13, wherein an RLC header of at least one RLC PDU in the plurality of RLC PDUs comprises an indication field, and the indication field comprises a Logical Channel Identity (LCID); and

before the processing unit determines the respective radio bearer
5 corresponding to each RLC PDU in the plurality of RLC PDUs according to the correspondence between the logical channel and the radio bearer, the processing unit is further configured to determine the correspondence between the logical channel and the radio bearer according to the indication field in the RLC header of the at least one RLC PDU.

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16. The receiving device of claim 13, wherein the correspondence between the logical channel and the radio bearer is pre-configured.

17. The receiving device of any one of claims 13-16, wherein at least two RLC PDUs
15 in the plurality of RLC PDUs correspond to different logical channels, and the at least two RLC PDUs correspond to a same radio bearer.

18. The receiving device of any one of claims 13-16, wherein the receiving device is applied to an Internet of vehicles system.

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19. The receiving device of any one of claims 14-15, wherein the RLC header of the at least one RLC PDU is:

an RLC header corresponding to the at least one RLC PDU.

20. The receiving device of claim 19, wherein the RLC header is to form a Media Access Control (MAC) sub-header.