

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 at least one RLC PDU,
10 and
 wherein the indication field comprises a Logical Channel Identity (LCID) and
a reserved bit, and different values are assigned to the reserved bit to distinguish two
different logical channels serving a same radio bearer.
- 15 2. The method of claim 1, wherein the RLC header of the at least one RLC PDU is:
 an RLC header corresponding to the at least one RLC PDU.
3. The method of claim 2, wherein the RLC header is to form a Media Access Control
(MAC) sub-header.
- 20 4. The method of claim 1, 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 5. The method of any one of claims 1-4, wherein the method is applied to an Internet
of vehicles system.
6. 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 at least one RLC PDU,
and
 wherein the indication field comprises a Logical Channel Identity (LCID) and

a reserved bit, and different values are assigned to the reserved bit to distinguish two different logical channels serving a same radio bearer.

7. The transmitting device of claim 6, wherein the RLC header of the at least one RLC

5 PDU is:

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

8. The transmitting device of claim 7, wherein the RLC header is to form a Media Access Control (MAC) sub-header.

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9. The transmitting device of claim 6, 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 10. The transmitting device of any one of claims 6-9, wherein the transmitting device is applied to an Internet of vehicles system.

11. A receiving device, comprising

a receiving unit, configured to receive a plurality of Radio Link Control (RLC)

20 Protocol Data Units (PDUs) sent by a transmitting 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 at least one RLC PDU, wherein the indication field comprises a Logical Channel Identity (LCID) and a reserved bit, and different values are assigned to the reserved bit to distinguish two
25 different logical channels serving a same radio bearer; and

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.

30 12. The receiving device of claim 11, wherein

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 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.

13. The receiving device of claim 11, wherein the correspondence between the logical
5 channel and the radio bearer is pre-configured.

14. The receiving device of any one of claims 11-13, 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 a same radio bearer.

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15. The receiving device of any one of claims 11-13, wherein the receiving device is applied to an Internet of vehicles system.

16. The receiving device of any one of claims 11-12, wherein the RLC header of the
15 at least one RLC PDU is:

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

17. The receiving device of claim 16, wherein the RLC header is to form a Media Access Control (MAC) sub-header.