

Abstract

Disclosed in the embodiments of the present disclosure are a sidelink (SL) radio link failure (RLF) detection method and apparatus, which can be applied to systems such as the Internet of Vehicles, V2X and V2V. The method comprises: a terminal device determining a receiving situation of hybrid automatic repeat request (HARQ) feedback on a physical sidelink feedback channel (PSFCH); and according to the receiving situation of the HARQ feedback on the PSFCH, determining whether a unicast connection triggers an SL RLF, wherein the unicast connection is a unicast connection established by a sending terminal and a receiving terminal on an SL, the sending terminal and the receiving terminal perform SL communication by means of a plurality of carriers, which are associated with the unicast connection. By means of implementing the embodiments of the present disclosure, the problem of how to effectively detect an RLF in an SL carrier aggregation scenario can be solved, such that an RLF mechanism can be supported in a carrier aggregation scenario during SL communication.

Fig. 2