Abstract

A method for detecting sidelink (SL) radio link failure (RLF) includes: determining by a transmitting terminal, 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 by the transmitting terminal, whether to trigger an HARQ-based SL RLF for a unicast connection, wherein the unicast connection is a unicast connection established by the transmitting terminal and a receiving terminal on an SL, the transmitting terminal and the receiving terminal perform SL communication via a plurality of carriers, which are associated with the unicast connection.

Fig. 2