

ABSTRACT OF THE DISCLOSURE

The invention relates to the technical field of vehicle-mounted Ethernet communication, in particular to a detection system for a vehicle-mounted Ethernet link synchronizing signal, which comprises a signal characteristic judgment module, the signal characteristic judgment module generates a synchronization mode identifier according to the signal characteristic of the synchronizing signal; a rate judgment module, the rate judgment module generates a working rate identifier according to the synchronizing signal; and a synchronization module, the synchronization module is respectively connected with the signal characteristic judgment module and the rate judgment module, and the synchronization module generates synchronization information for handshake between the vehicle-mounted Ethernet device and the external device according to the synchronization mode identifier and the working rate identifier and outputs the synchronization information. The method has the beneficial effects that aiming at the problem that a parallel detection scheme in the prior art is poor in effect, the signal characteristic judgment module and the rate judgment module are respectively constructed in the detection system, and the synchronous signal is judged based on the working mode and the working rate corresponding to the signal characteristic, so that a good detection effect on a plurality of synchronization signals is realized.

Fig. 1 as published