

Test Apparatus and Test Method based on DFDAU

Abstract

5 The present invention relates to a test apparatus based on DFDAU (Digital Flight Data Acquisition Unit), comprising: a simulation signal generation portion; and a test portion; wherein, the simulation signal generation portion comprises: an input interface, which receives test data; a simulation signal generation module, which generates simulation signal according to the test
10 data; and an output interface, which is adaptive to be connected to one end of one or more signal transmission device to be tested and output the simulation signal; wherein, the test portion comprises: wiring extension apparatus, which is used to form a gating wiring apparatus and is adaptive to be connected to the other end of the one or more signal transmission devices
15 to be tested, and receive the simulation signal passing through the one or more signal transmission devices to be tested ; DFDAU, which is adaptive to receive simulation signal from the wiring extension device, and obtain the transmitted test data; a comparison module, which is adaptive to compare the test data and the transmitted test data.

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Fig. 2