

DOUBLE INDEPENDENT CONTROL UNIT-BASED INTELLIGENT VEHICLE CONTROL SYSTEM AND VEHICLE

ABSTRACT

The present application pertains to the technical field of vehicles, and in particular
5 to a vehicle intelligent control system based on a dual independent control system and
a corresponding vehicle. The system includes a locomotive terminal and a cloud server.
The locomotive terminal includes a first control system and a second control system
both being operable independently and capable of exchanging data with each other in
real time. The first control system monitors an operation state of the vehicle in real time
10 and transmits at least part of operation state data to the second control system in real
time, and controls an operation of the vehicle according to an internal preset instruction
and a control instruction received from the second control system. The second control
system receives data transmitted by the first control system and transmits at least part
of the received data to the cloud server, and receives a control instruction from the cloud
15 server and forwards the control instruction for controlling the operation of the vehicle
to the first control system. The present application improves the adaptability and
stability of the system, enhances the user experience and increases the safety of the
vehicle.

20 The most illustrative drawing: Figure 2