

EARLY-WARNING SYSTEM, METHOD AND DEVICE FOR STEERING OF TWO-WHEELED VEHICLE, AND CORRESPONDING TWO-WHEELED VEHICLE

ABSTRACT

Disclosed are an early-warning system, method, and apparatus for steering of a two-wheeled vehicle, and a corresponding two-wheeled vehicle, the two-wheeled vehicle including a display apparatus. The system includes: a first control system and a second control system both operating independently and capable of exchanging data between each other in real time; the first control system is configured to: monitor a steering state of the two-wheeled vehicle in real time and generate steering state data; generate early-warning state data based on the steering state data; transmit at least part of the steering state data and the early-warning state data to the second control system in real time; and control corresponding components of the two-wheeled vehicle to operate according to control instructions received from the second control system and internal preset instructions; and the second control system is configured to: receive the steering state data and the early-warning state data transmitted by the first control system; generate early-warning information based on the early-warning state data, and control a display of the display apparatus based on the steering state data and/or the early-warning information. The present application can give an early warning to a driver when steering the two-wheeled vehicle, to accurately provide the driver with a safe operation prompt, to improve the user's driving safety and enhance the user experience.

The Most Illustrative Figure: Figure 3