

# **A RIDING HELMET WITH AUTOMATIC BRAKE DETECTION AND STEERING INDICATION FUNCTIONS**

## **Abstract**

The invention relates to a riding helmet with automatic brake detection and steering indication functions, which comprises of a helmet body; a left steering lamp and a right steering lamp installed on front and rear sides of the helmet body, wherein, the said lamps are electrically connected with a control module, the control module is designed or provide with a wireless receiving module that is linked up or communicable with a wireless remote control module mounted on the bicycle, the wireless remote control module is electrically connected with a brake detection device and a manual control device, and the steering lamps can work according to the signals of the brake detection device and manual control device. The invention has the following beneficial effects: (1) The helmet is designed with steering lamps which can be used by the rider to remind the vehicles behind of the steering process, which thus improves the riding safety; (2) by relying on the different working modes of the steering lamps, steering and braking indications can be provided, thus to not only meet relevant service requirements but also help to reduce the complexity of the system and make convenience for marketing purpose.

(Figure 1)