

METHOD AND DEVICE FOR MONITORING STATE OF MOVING OBJECT AND SYSTEM FOR FAST INSPECTING VEHICLE

ABSTRACT

The present disclosure relates to a method and a device for monitoring a state of a moving object and a system for fast inspecting a vehicle. The method and a device for monitoring a state of a moving object positions and measures speed of the moving object by using a laser scanner. The device includes: a laser scanner configured to monitor at least one moving object entering a monitoring region, by emitting a plurality of laser beams of different angles to the at least one moving object with a preset scanning frequency; and a processing unit configured to, for each moving object, determine and output a relative position of the moving object with respect to the laser scanner at each time instance. It can significantly improve the accuracy of measuring a low speed of the moving object, and the laser scanner is easy to install and has a low cost.

(Fig. 2)