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(57) Abstract :
The present invention relates to the field of intelligent traffic monitoring and in particular to the invention refers to a system for identifying abnormal behaviour of a vehicle. The system for identifying abnormal behaviour in a convoy of vehicles includes a set of sensors configured to generate output signals conveying information related to operation and/or context of the vehicle, a data monitoring module to monitor the data collected by a plurality of monitoring points set in the statistical area, and extracting behaviour characteristic data of the vehicle to be inspected from the vehicle monitoring data, a memory configured to store data in a central database, a processing unit configured by computer-readable instructions to continually comparing new incoming data from sub-systems with stored defined thresholds to identify abnormalities in the system, a communication module for transmitting the traveling trajectory sequence of the to-be-tested vehicle according to the behaviour characteristic data, and a determining module is configured to determine whether the vehicle to be inspected has an abnormal behaviour according to the traveling trajectory sequence and the vehicle behaviour pattern in the statistical region acquired in advance.

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