

ABSTRACT

A method of detecting overspeeding for a vehicle, including obtaining historical trajectory data of a fleet, of geographical areas from an electronic database; determining, by a microprocessor of a server, a distribution of speed of the historical trajectory data; calculating, on an electronic device associated with the vehicle, a determined probability of future overspeeding; wherein obtaining includes communicating, by the server an electronic request to the electronic database for the historical trajectory data, and the historical trajectory data from the electronic database to the server. An electronic device including a trajectory data acquisition circuit; a communication circuit to receive pre-trained weights for a trained classifier from a server; a processor to use a classifier configured with the pre-trained weights to calculate, based on trajectory data, a probability of future overspeeding being higher than a pre-determined threshold. A system and a computer-readable medium storing computer executable code for the method.

FIG. 1