Title (en)

INFRASTRUCTURE-SUPPORTED PROCESS OF ASCERTAINING TRAJECTORIES FOR AUTONOMOUS VEHICLES

Title (de)

INFRASTRUKTURGESTÜTZTE TRAJEKTORIENERMITTLUNG FÜR AUTONOME FAHRZEUGE

Title (fr)

PROCÉDÉ ASSISTÉ PAR INFRASTRUCTURE DE DÉTERMINATION DE TRAJECTOIRES POUR VÉHICULES AUTONOMES

Publication

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Application

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Abstract (en)

[origin: WO2022122250A1] The invention relates to a decentralized infrastructure-supported traffic monitoring system (20) for ascertaining a drive tactic as a substitute. The infrastructure-supported traffic monitoring system (20) comprises a transmission/receiving interface (23) for receiving an emergency signal (NFS) relating to an emergency situation (N) of a vehicle (10) being controlled in an at least partly autonomous manner, said emergency situation being detected by the vehicle, and for transmitting a substitute tactic (TE) to the vehicle (10) being controlled in an at least partly autonomous manner. The infrastructure-supported traffic monitoring system (20) additionally comprises a surroundings detection unit (25) for detecting the vehicle (10) being controlled in an at least partly autonomous manner and kinematic data (POS, POSE) of the vehicle (10) and of the surroundings thereof. Part of the infrastructure-supported traffic monitoring system (20) is also a substitute tactic ascertaining unit (22) for ascertaining the substitute tactic (TE) in an infrastructure-supported manner for a response action of the vehicle (10) being controlled in an at least partly autonomous manner in order to resolve the emergency situation (N) of the vehicle (10) on the basis of the data (POS, POSE) detected by the surroundings detection unit (25). The invention additionally relates to a vehicle (10) which is controlled in an at least partly autonomous manner, to a transport system (30), and to a method for ascertaining a drive tactic in a decentralized infrastructure-supported manner for a vehicle (10) being controlled in an at least partly autonomous manner.

IPC 8 full level

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CPC (source: EP)

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