

Title (en)
VEHICLE IDENTIFICATION AND LOCATION USING SENOR FUSION AND INTER-VEHICLE COMMUNICATION

Title (de)
FAHRZEUGIDENTIFIKATION- UND -LOKALISIERUNG MITTELS SENSORFUSION UND KOMMUNIKATION ZWISCHEN FAHRZEUGEN

Title (fr)
IDENTIFICATION ET LOCALISATION DE VÉHICULES PAR FUSION DE CAPTEURS ET COMMUNICATION ENTRE VÉHICULES

Publication
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Application
EP 16858471 A 20161102

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Abstract (en)
[origin: WO2017070714A1] Systems and methods for coordinating and controlling vehicles, for example heavy trucks, to follow closely behind each other, or linking to form a platoon, in a convenient, safe manner and thus to save significant amounts of fuel while increasing safety. In an embodiment, on-board controllers in each vehicle interact with vehicular sensors to monitor and control, for example, relative distance, relative acceleration/deceleration, and speed. Various data is supplied by the vehicle's onboard systems to a Network Operations Center. The data generated locally from the vehicle's onboard sensors is combined in some embodiments to provide multiple modalities for identifying partner vehicles as well as managing operation of vehicles in close proximity to one another. Various techniques for improving relative position data are also disclosed.

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