

Title (en)
VEHICLE MANAGEMENT SYSTEM

Title (de)
FAHRZEUGVERWALTUNGSSYSTEM

Title (fr)
SYSTÈME DE CONTRÔLE DE VÉHICULE

Publication
EP 4116945 A1 20230111 (EN)

Application
EP 22192877 A 20171212

Priority

- US 201615379407 A 20161214
- US 201615379420 A 20161214
- US 201715730211 A 20171011
- EP 17823305 A 20171212
- US 2017065818 W 20171212

Abstract (en)

Systems, methods, and vehicles for stopping autonomous vehicle motion are provided. One aspect of the present disclosure relates to a computer-implemented method comprising obtaining, by one or more computing devices on-board an autonomous vehicle, data indicative of one or more parameters associated with the autonomous vehicle, wherein the autonomous vehicle is configured to provide a vehicle transportation service to one or more users of the vehicle transportation service. Here, the one or more users are riders in the autonomous vehicle. The method comprises determining, by the one or more computing devices, an existence of a fault associated with the autonomous vehicle based at least in part on the one or more parameters associated with the autonomous vehicle and a level of severity of the fault based on one or more characteristics of the fault. The method comprises determining, by the one or more computing devices, actions to be performed by the autonomous vehicle based at least in part on the existence of the fault, wherein the actions comprise stopping a motion of the autonomous vehicle and informing one or more of the users of the fault. The method includes providing, by the one or more computing devices, one or more control command signals to one or more of the systems on-board the autonomous vehicle to facilitate stopping the motion of the autonomous vehicle in response to the existence of the fault. The method includes providing, by the one or more computing devices, data indicative of the existence of the fault and/or the one or more characteristics of the fault for display via one or more display devices.

IPC 8 full level
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CPC (source: EP)
G07C 5/0808 (2013.01); **G05D 1/0088** (2024.01); **G07C 5/008** (2013.01)

Citation (search report)

- [X] GB 2524393 A 20150923 - FORD GLOBAL TECH LLC [US]
- [I] WO 2014148976 A1 20140925 - SCANIA CV AB [SE]
- [A] JOSEPH FUNKE ET AL: "Up to the limits: Autonomous Audi TTS", INTELLIGENT VEHICLES SYMPOSIUM (IV), 2012 IEEE, IEEE, 3 June 2012 (2012-06-03), pages 541 - 547, XP032453003, ISBN: 978-1-4673-2119-8, DOI: 10.1109/IVS.2012.6232212

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DOCDB simple family (publication)
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US 2017065818 W 20171212; CA 3047095 A 20171212; CN 201780084481 A 20171212; EP 17823305 A 20171212; EP 22192877 A 20171212; JP 2019531719 A 20171212; JP 2021149270 A 20210914; SG 10201911758Y A 20171212; SG 10201911769U A 20171212; SG 10201911787Y A 20171212