Title (en)

VEHICLE-DATA ANALYTICS

Title (de)

FAHRZEUGDATENANALYTIK

Title (fr)

TRAITEMENT ANALYTIQUE DE DONNÉES DE VÉHICULE

Publication

EP 4126619 A1 20230208 (EN)

Application

EP 21781571 A 20210330

Priority

- US 202063001907 P 20200330
- US 2021024990 W 20210330

Abstract (en)

[origin: WO2021202602A1] Provided is a system configured to determine and push adjustments to vehicle operations using machine-learning systems across multiple computing layers. The system compares a target vehicle state to a measured vehicle state after providing a first feedback indicator to a vehicle operator to determine a reward value, wherein the first feedback indicator is provided based on a first action value. The system infers a second action value based on the reward value using a reinforcement learning method, and provides a second feedback indicator to the vehicle operator based on the second action value.

IPC 8 full level

B60W 40/02 (2006.01); **B60R 11/00** (2006.01); **B60W 10/18** (2006.01); **B60W 30/08** (2006.01); **B60W 50/00** (2006.01); **B60W 50/14** (2006.01); **G06N 20/00** (2006.01)

CPC (source: EP)

B60W 40/04 (2013.01); **B60W 50/10** (2013.01); **B60W 50/14** (2013.01); **G06N 3/006** (2013.01); **G06N 3/045** (2023.01); **G06N 3/082** (2013.01); **G07C 5/008** (2013.01); **G08G 1/0112** (2013.01); **G08G 1/012** (2013.01); **G08G 1/0133** (2013.01); **G08G 1/0141** (2013.01); **G08G 1/0145** (2013.01); **G08G 1/164** (2013.01); B60W 2050/0088 (2013.01); B60W 2540/18 (2013.01); B60W 2540/20 (2013.01); B60W 2540/215 (2020.02); B60W 2554/00 (2020.02); B60W 2556/05 (2020.02); B60W 2556/50 (2020.02); G06N 3/044 (2023.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021202602 A1 20211007; CA 3174392 A1 20211007; EP 4126619 A1 20230208; EP 4126619 A4 20240417

DOCDB simple family (application)

US 2021024990 W 20210330; CA 3174392 A 20210330; EP 21781571 A 20210330