Title (en)

VEHICLE HEALTH MONITOR

Title (de)

FAHRZEUGGESUNDHEITSMONITOR

Title (fr)

DISPOSITIF DE CONTRÔLE D'ÉTAT DE VÉHICULE

Publication

EP 4139907 A4 20240529 (EN)

Application

EP 21791668 A 20210412

Priority

- US 202016856597 A 20200423
- US 202016856733 A 20200423
- US 2021026906 W 20210412

Abstract (en)

[origin: WO2021216313A1] Techniques for monitoring and predicting vehicle health are disclosed. In some examples, sensor data (e.g., audio data) may be used to create a sensor signature associated with a vehicle component. The sensor signature may be compared with one or more second sensor signatures associated with the vehicle component over the life of the vehicle component to determine changes in an operating status associated with the vehicle component. In some examples, a machine learned model may be trained to identify a vehicle component and/or and operating status of a vehicle component based on sensor data that is inputted into the machine learned model. In this way, sensor data may be input into the machine learned model and the machine learned model may output a corresponding vehicle component and/or operating status associated with the component.

IPC 8 full level

G07C 5/08 (2006.01); **G05B 23/02** (2006.01); **G16Y 40/40** (2020.01)

CPC (source: EP)

G05B 23/0232 (2013.01); **G05B 23/0283** (2013.01); **G16Y 40/40** (2020.01); G05B 23/0221 (2013.01); G05B 2219/2637 (2013.01)

Citation (search report)

- [X] DE 102018122313 A1 20190314 - FORD GLOBAL TECH LLC [US]
- [X] WO 2018020475 A1 20180201 - ATHER ENERGY PVT LTD [IN]
- [X] DE 102005023359 A1 20061123 - BOSCH GMBH ROBERT [DE]
- See also references of WO 2021216313A1

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

DOCDB simple family (publication)

WO 2021216313 A1 20211028; CN 115428046 A 20221202; EP 4139907 A1 20230301; EP 4139907 A4 20240529; JP 2023523187 A 20230602

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