

Title (en)

SYSTEM, METHOD, AND APPARATUS FOR MANAGING VEHICLE DATA COLLECTION

Title (de)

SYSTEM, VERFAHREN UND VORRICHTUNG ZUR VERWALTUNG DER ERFASSUNG VON FAHRZEUGDATEN

Title (fr)

SYSTÈME, PROCÉDÉ ET APPAREIL POUR LA GESTION DE COLLECTE DE DONNÉES DE VÉHICULE

Publication

EP 4097923 A4 20240410 (EN)

Application

EP 21764127 A 20210308

Priority

- US 202017027187 A 20200921
- US 202063123531 P 20201210
- US 2021021421 W 20210308
- US 202062986444 P 20200306
- US 202063024383 P 20200513
- US 202017027167 A 20200921

Abstract (en)

[origin: WO2021178979A1] An apparatus for managing vehicle data collection including a remote access execution circuit, a property translation circuit, a parameter acquisition circuit, a remote operation circuit, and a parameter conditioning circuit. The remote access execution circuit interprets a remote access request value including a requested vehicle property and/or a vehicle function value. The property translation circuit determines: a property request value responsive to the requested vehicle property; and/or an actuator command value responsive to the vehicle function value. The parameter acquisition circuit interprets vehicle parameter values responsive to the property request value. The remote operation circuit provides the actuator command value to a vehicle network zone endpoint. The parameter conditioning circuit generates, responsive to the property request value, vehicle property data from the vehicle parameter values. The vehicle property data corresponds to the requested vehicle property. The remote access execution circuit transmits the vehicle property data to the requesting device.

IPC 8 full level

H04W 4/38 (2018.01); **H04L 12/28** (2006.01); **H04L 47/20** (2022.01); **H04L 47/2416** (2022.01); **H04L 47/41** (2022.01); **H04W 4/44** (2018.01)

CPC (source: EP KR)

H04L 12/2827 (2013.01 - EP); **H04L 47/125** (2013.01 - KR); **H04L 47/20** (2013.01 - EP KR); **H04L 47/2416** (2013.01 - EP KR); **H04L 47/41** (2013.01 - EP); **H04W 4/38** (2018.02 - EP); **H04W 4/44** (2018.02 - EP); **H04L 2012/40215** (2013.01 - KR); **H04W 4/44** (2018.02 - KR)

Citation (search report)

- [I] US 2018293809 A1 20181011 - JAMES MICHAEL R [US], et al
- [A] US 2011196571 A1 20110811 - FOLADARE MARK J [US], et al
- [A] US 2004267410 A1 20041230 - DURU SASTRY S [US], et al
- See also references of WO 2021178979A1

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 2021178979 A1 20210910; **WO 2021178979 A8 20211007**; CN 115443637 A 20221206; EP 4097923 A1 20221207; EP 4097923 A4 20240410; JP 2023516760 A 20230420; KR 20220152268 A 20221115

DOCDB simple family (application)

US 2021021421 W 20210308; CN 202180033047 A 20210308; EP 21764127 A 20210308; JP 2022553601 A 20210308; KR 20227034679 A 20210308