

Title (en)
VEHICLE-DATA ANALYTICS

Title (de)
FAHRZEUGDATENANALYTIK

Title (fr)
TRAITEMENT ANALYTIQUE DE DONNÉES DE VÉHICULE

Publication
EP 4126619 A4 20240417 (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** (2012.01); **B60W 30/08** (2012.01); **B60W 50/00** (2006.01); **B60W 50/14** (2020.01); **G06N 3/00** (2023.01); **G06N 20/00** (2019.01); **G08G 1/01** (2006.01); **G08G 1/16** (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)

Citation (search report)
• [Y] US 2017110021 A1 20170420 - SKAGIUS ADAM [SE], et al
• [Y] US 2020070844 A1 20200305 - GOTO TAKERU [JP]
• [Y] US 2018089563 A1 20180329 - REDDING JOSHUA D [US], et al
• [Y] US 2020017117 A1 20200116 - MILTON STEPHEN [US]
• [Y] US 2019310650 A1 20191010 - HALDER BIBHRAJIT [US]
• [A] US 2020031358 A1 20200130 - LEE KYE CHUL [KR]
• [A] US 2015064668 A1 20150305 - MANCI LEWIS H [US], et al
• See also references of WO 2021202602A1

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)
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DOCDB simple family (application)
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