

Title (en)

CONTROL SYSTEM AND METHOD ADJUSTED TO PERCEPTION

Title (de)

AUF WAHRNEHMUNG ANGEPASSTES STEUERUNGSSYSTEM UND -VERFAHREN

Title (fr)

SYSTÈME ET PROCÉDÉ DE CONTRÔLE ADAPTÉ À LA PERCEPTION

Publication

EP 4247682 A1 20230927 (FR)

Application

EP 21811332 A 20211115

Priority

- FR 2011893 A 20201119
- EP 2021081695 W 20211115

Abstract (en)

[origin: WO2022106359A1] Disclosed is a system for controlling a vehicle (1), the vehicle implementing at least one control application using a variable measured by at least one sensor (20) of a perception system (2) installed in the vehicle (1). The control system comprises an adaptive controller (112) configured to dynamically activate one or more elementary controllers of a set of elementary controllers comprising at least two elementary controllers, each elementary controller being configured to apply a control function of a vehicle parameter acting on actuators of the vehicle, the control functions being separate, based on a precision indicator of the perception system determined according to a real-time value of the variable.

IPC 8 full level

B60W 30/16 (2020.01); **B60W 50/02** (2012.01); **B60W 50/06** (2006.01); **G01S 7/292** (2006.01); **G01S 7/487** (2006.01)

CPC (source: EP KR US)

B60W 30/16 (2013.01 - EP KR US); **B60W 50/06** (2013.01 - EP KR US); **G01S 7/292** (2013.01 - KR); **G01S 13/931** (2013.01 - KR); **B60W 2050/0052** (2013.01 - US); **B60W 2050/0056** (2013.01 - EP KR); **B60W 2050/0059** (2013.01 - EP KR US); **B60W 2050/0215** (2013.01 - EP KR); **B60W 2420/403** (2013.01 - EP KR US); **B60W 2420/408** (2024.01 - EP KR US); **B60W 2520/10** (2013.01 - EP); **B60W 2520/14** (2013.01 - EP KR US); **B60W 2554/802** (2020.02 - EP KR US); **B60W 2556/25** (2020.02 - EP KR US); **B60W 2556/35** (2020.02 - EP KR US); **B60Y 2400/3015** (2013.01 - KR); **B60Y 2400/3017** (2013.01 - KR); **G01S 7/292** (2013.01 - EP); **G01S 13/931** (2013.01 - EP)

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)

FR 3116252 A1 20220520; **FR 3116252 B1 20230324**; CN 116529142 A 20230801; EP 4247682 A1 20230927; JP 2023549665 A 20231129; KR 20230104981 A 20230711; US 2024010200 A1 20240111; WO 2022106359 A1 20220527

DOCDB simple family (application)

FR 2011893 A 20201119; CN 202180075350 A 20211115; EP 2021081695 W 20211115; EP 21811332 A 20211115; JP 2023525039 A 20211115; KR 20237020702 A 20211115; US 202118253312 A 20211115