

Title (en)

SYSTEM AND METHOD TO MAKE POSSIBLE AUTONOMOUS OPERATION AND/OR EXTERNAL CONTROL OF A MOTOR VEHICLE

Title (de)

SYSTEM UND VERFAHREN ZUR ERMÖGLICHUNG DES AUTONOMEN BETRIEB UND/ODER DER EXTERNEN STEUERUNG EINES KRAFTFAHRZEUGS

Title (fr)

SYSTÈME ET PROCÉDÉ POUR RENDRE POSSIBLES UN FONCTIONNEMENT AUTONOME ET/OU UNE COMMANDE EXTERNE D'UN VÉHICULE AUTOMOBILE

Publication

EP 3072021 A4 20170802 (EN)

Application

EP 14863739 A 20141119

Priority

- SE 1351386 A 20131121
- SE 2014051373 W 20141119

Abstract (en)

[origin: WO2015076735A1] The invention concerns a system (200) to make possible autonomous operation and/or external control of a motor vehicle, comprising an external control system (205) arranged to generate a signal (S1) comprising at least one control parameter for autonomous operation and/or external control of the said motor vehicle, and a control system (270) that is internal to the vehicle, comprising a control unit (220) and operating systems (230; 240; 250), in which the control unit (220) is arranged in communicative connection with the operating systems (230; 240; 250). A computer interface (210) is arranged at the system (200) in communicative connection with the external control system (205) and the control system (270) that is internal to the vehicle, whereby the computer interface (210) is arranged to transfer the signal (S1) from the external control system (205) to the control system (270) that is internal to the vehicle. The control unit (220) is configured with a certain authorisation level that includes at least one pre-determined authorisation requirement stored at the control unit (220) in order to allow autonomous operation and/or external control, whereby the authorisation level can be changed by reconfiguring the control unit (220). The invention concerns also a method to make possible autonomous operation and/or external control of a motor vehicle, and a motor vehicle (100, 110) comprising such a system (200).

IPC 8 full level

B60K 31/02 (2006.01); **B60W 60/00** (2020.01); **G05D 1/02** (2020.01)

CPC (source: EP SE)

B60K 31/02 (2013.01 - EP); **B60W 60/0016** (2020.02 - SE); **B60W 60/0017** (2020.02 - SE); **B60W 60/0059** (2020.02 - SE); **G05D 1/0022** (2024.01 - EP); **G05D 1/221** (2024.01 - SE); **G05D 1/248** (2024.01 - SE); **G05D 1/617** (2024.01 - SE); **G05D 1/81** (2024.01 - SE); **B60W 2540/00** (2013.01 - SE); **G05D 2101/10** (2024.01 - SE); **G05D 2105/05** (2024.01 - SE)

Citation (search report)

- [XYI] DE 202013100347 U1 20130305 - FORD GLOBAL TECH LLC [US]
- [Y] US 2013054133 A1 20130228 - LEWIS MICHAEL W [US], et al
- [Y] JP 2008033438 A 20080214 - TOYOTA MOTOR CORP
- [A] WO 9109275 A2 19910627 - CATERPILLAR INC [US]
- See references of WO 2015076735A1

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 2015076735 A1 20150528; EP 3072021 A1 20160928; EP 3072021 A4 20170802; SE 1451388 A1 20150522; SE 538079 C2 20160301

DOCDB simple family (application)

SE 2014051373 W 20141119; EP 14863739 A 20141119; SE 1451388 A 20141119