

Title (en)

METHOD AND SYSTEM FOR RISK CONTROL IN SWITCHING DRIVING MODE

Title (de)

VERFAHREN UND SYSTEM ZUR RISIKOSTEUERUNG BEIM UMSCHALTEN DES FAHRMODUS

Title (fr)

PROCÉDÉ ET SYSTÈME DE CONTRÔLE DE RISQUE DANS LA COMMUTATION D'UN MODE DE CONDUITE

Publication

**EP 3729398 A1 20201028 (EN)**

Application

**EP 17935716 A 20171219**

Priority

IB 2017058174 W 20171219

Abstract (en)

[origin: WO2019122968A1] The present teaching relates to method, system, and medium, for switching a mode of a vehicle. Real-time data related to the vehicle and a state of a driver are received and used to determine a set of tasks to be performed to switch the vehicle from a current mode to a different mode based on a task model. A first duration of time required to switch is determined based on a first risk associated with the current mode. A task duration time needed to complete each task is estimated. A second risk associated with the switching is determined based on the first duration as required and a total duration of time determined based on the task duration time needed to complete the set of tasks. The vehicle mode is switched if the second risk satisfying a criterion.

IPC 8 full level

**G08G 1/09** (2006.01); **G08G 1/0962** (2006.01); **G08G 1/0968** (2006.01)

CPC (source: EP)

**B60W 50/082** (2013.01); **B60W 50/14** (2013.01); **B60W 50/16** (2013.01); **B60W 60/0057** (2020.02); **B60W 60/0059** (2020.02); **G08G 1/0962** (2013.01); **G08G 1/096725** (2013.01); **G08G 1/096775** (2013.01); **B60W 2040/0872** (2013.01); **B60W 2050/143** (2013.01); **B60W 2050/146** (2013.01); **B60W 2540/00** (2013.01); **B60W 2540/043** (2020.02); **B60W 2540/045** (2020.02); **B60W 2540/22** (2013.01); **B60W 2540/221** (2020.02); **B60W 2540/223** (2020.02); **B60W 2540/225** (2020.02); **B60W 2540/227** (2020.02); **B60W 2540/229** (2020.02); **B60W 2552/15** (2020.02); **B60W 2552/40** (2020.02); **B60W 2554/00** (2020.02); **B60W 2555/20** (2020.02); **B60W 2555/60** (2020.02); **B60W 2556/45** (2020.02); **B60W 2556/50** (2020.02); **G08G 1/0112** (2013.01); **G08G 1/0133** (2013.01)

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

DOCDB simple family (publication)

**WO 2019122968 A1 20190627**; CN 111615722 A 20200901; EP 3729398 A1 20201028; EP 3729398 A4 20210721

DOCDB simple family (application)

**IB 2017058174 W 20171219**; CN 201780097092 A 20171219; EP 17935716 A 20171219