

Title (en)

METHOD FOR COORDINATING THE TRAFFIC OF A PLURALITY OF MOTOR VEHICLES WITHIN A PREDETERMINED INFRASTRUCTURE REGION AND SERVER DEVICE, MOTOR VEHICLE AND SYSTEM

Title (de)

VERFAHREN ZUM KOORDINIEREN EINES VERKEHRS MEHRERER KRAFTFAHRZEUGE INNERHALB EINES VORBESTIMMTEN INFRASTRUKTURBEREICHES SOWIE SERVERVORRICHTUNG, KRAFTFAHRZEUG UND SYSTEM

Title (fr)

PROCÉDÉ DE COORDINATION D'UN TRAFIC DE PLUSIEURS VÉHICULES DANS UNE ZONE D'INFRASTRUCTURE PRÉDÉTERMINÉE AINSI QUE DISPOSITIF SERVEUR, VÉHICULE AUTOMOBILE ET SYSTÈME

Publication

EP 3580737 B1 20210106 (DE)

Application

EP 18704901 A 20180130

Priority

- DE 102017202065 A 20170209
- EP 2018052270 W 20180130

Abstract (en)

[origin: WO2018145951A1] The invention relates to a method for coordinating the traffic of a plurality of motor vehicles (12 and 13) within a predetermined infrastructure region (14) via a central server device (11), wherein the central server device (11) repeatedly receives a respective current driving status (22) from each of the motor vehicles (12 and 13) and a respective current driving intention (23) of the motor vehicle (12 and 13) and, for each of the motor vehicles (12 and 13) determines a current coordination result, which indicates whether the driving intention (23) of the motor vehicle (12 and 13), proceeding from the current driving status (22) thereof, is prohibited according to a predetermined traffic rule (26) due to a respective driving status (22) and/or a respective driving intention (23) of at least one other of the motor vehicles (12 and 13) and, depending on the coordination result for each of the motor vehicles (12 and 13), determines a respective current permitted behavior and repeatedly signals the respective determined behavior, which is currently permitted in the infrastructure region (14) for the respective motor vehicle (12 and 13), to the motor vehicles (12 and 13) as a coordination message (27) for independent adjustment of the driving intention (23) thereof.

IPC 8 full level

E04H 6/42 (2006.01); **G05D 1/02** (2020.01); **G07C 5/08** (2006.01); **G08G 1/01** (2006.01); **G08G 1/14** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP)

E04H 6/422 (2013.01); **E04H 6/426** (2013.01); **G08G 1/0112** (2013.01); **G08G 1/0116** (2013.01); **G08G 1/143** (2013.01); **G08G 1/146** (2013.01); **G08G 1/164** (2013.01); **G08G 1/165** (2013.01); **G08G 1/166** (2013.01); **G07C 5/008** (2013.01)

Cited by

US2022219687A1

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)

DE 102017202065 A1 20180809; EP 3580737 A1 20191218; EP 3580737 B1 20210106; WO 2018145951 A1 20180816

DOCDB simple family (application)

DE 102017202065 A 20170209; EP 18704901 A 20180130; EP 2018052270 W 20180130