

Title (en)

CONTROL SYSTEM AND CONTROL METHOD FOR DETECTION AND REACTION OF A ZIPPER PROCESS FOR A MOTOR VEHICLE

Title (de)

STEUERUNGSSYSTEM UND STEUERUNGSVERFAHREN FÜR EIN ERKENNEN UND EINE REAKTION EINES REIßVERSCHLUSSVERFAHRENS FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTÈME DE COMMANDE ET PROCÉDÉ DE COMMANDE POUR LA DÉTECTION D'UN PROCESSUS D'INSERTION TARDIVE DANS LA CIRCULATION POUR UN VÉHICULE À MOTEUR ET LA RÉACTION À CELLE-CI

Publication

EP 4054912 A1 20220914 (DE)

Application

EP 20804192 A 20201106

Priority

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- EP 2020081232 W 20201106

Abstract (en)

[origin: WO2021089753A1] A control system (10) is suitable for use in a subject motor vehicle (12) and is configured and intended to determine from the provided surroundings data a position and a speed of a first motor vehicle (28) which is travelling directly ahead of the subject motor vehicle (12) in a first lane (36), wherein the subject motor vehicle (12) is located in the first lane (36). The control system is configured and intended to determine from the provided surroundings data a position and a speed of a second motor vehicle (30) which is travelling in an adjacent lane (38), which is adjacent to the first lane (36). The control system is configured and intended to detect from the provided surroundings data whether a zipper situation is present. The control system is configured and intended to increase a setpoint distance of the subject motor vehicle (12) from the first motor vehicle if an absolute value of a relative speed of the second motor vehicle (30) relative to the subject motor vehicle (12) or relative to the first motor vehicle (28) is lower than a previously determined first value when the second motor vehicle (30) is located in a longitudinal direction, extending along the adjacent lane (38), between the subject motor vehicle (12) and the first motor vehicle (20), and if it has been detected that the zipper situation is present.

IPC 8 full level

B60W 30/18 (2012.01); **B60W 40/04** (2006.01); **G08G 1/16** (2006.01)

CPC (source: CN EP US)

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Citation (search report)

See references of WO 2021089753A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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