

Title (en)

METHOD FOR THE DYNAMIC FIXATION OF AN OCCUPANT BUCKLED TO A VEHICLE SEAT BY A SEAT BELT

Title (de)

VERFAHREN ZUR DYNAMISCHEN FIXIERUNG EINES MIT EINEM SICHERHEITSGURT AUF EINEM FAHRZEUGSITZ ANGESCHNALLTEN INSASSEN

Title (fr)

PROCÉDÉ DE FIXATION DYNAMIQUE D'UN OCCUPANT ATTACHÉ À UN SIÈGE DE VÉHICULE PAR UNE CEINTURE DE SÉCURITÉ

Publication

EP 4237290 A1 20230906 (DE)

Application

EP 21802604 A 20211022

Priority

- DE 102020006623 A 20201028
- EP 2021079320 W 20211022

Abstract (en)

[origin: WO2022090074A1] The invention relates to a method for the dynamic fixation of an occupant buckled to a vehicle seat by means of a seat belt in a vehicle (1), wherein a transverse acceleration of the vehicle (1) and the course of the roadway lying ahead of the vehicle (1) are determined and the seat belt is tightened with a specified belt force during a predefined time period prior to driving into a curve that has a predefined curvature. According to the invention, it is provided that - a comfort speed (v) is assigned in each case to different turning angles of turnoffs and turns (A), by which the turnoff or turn (A) can be comfortably be driven through, wherein - in the case of an approach of the vehicle (1) to a turnoff or turn (A) with a current driving speed, which exceeds the comfort speed (v) assigned to the turning angle (β) by a predefined value, the safety belt is tightened with a predefined belt force prior to reaching the turnoff or turn (A).

IPC 8 full level

B60R 21/0132 (2006.01)

CPC (source: EP KR US)

B60R 21/0132 (2013.01 - EP US); **B60R 22/46** (2013.01 - KR); **B60R 22/34** (2013.01 - US); **B60R 2021/01272** (2013.01 - US); **B60R 2022/4685** (2013.01 - KR)

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)

WO 2022090074 A1 20220505; CN 116419873 A 20230711; DE 102020006623 A1 20220428; EP 4237290 A1 20230906; JP 2023547227 A 20231109; KR 20230070491 A 20230523; US 2023406248 A1 20231221

DOCDB simple family (application)

EP 2021079320 W 20211022; CN 202180072725 A 20211022; DE 102020006623 A 20201028; EP 21802604 A 20211022; JP 2023526294 A 20211022; KR 20237013441 A 20211022; US 202118250889 A 20211022