

Title (en)

METHOD FOR COMMANDING-CONTROLLING THE ORIENTATION OF THE REAR WHEELS OF A VEHICLE

Title (de)

VERFAHREN ZUR LENKUNG/STEUERUNG DER AUSRICHTUNG DER HINTERRÄDER EINES FAHRZEUGS

Title (fr)

PROCEDE DE CONTROLE-COMMANDE DE BRAQUAGE DES ROUES ARRIERE D'UN VEHICULE

Publication

**EP 3697673 A1 20200826 (FR)**

Application

**EP 18786758 A 20181015**

Priority

- FR 1759884 A 20171020
- EP 2018077978 W 20181015

Abstract (en)

[origin: WO2019076779A1] The method for commanding-controlling the orientation of the rear wheels of a four-wheel steering vehicle is executed from a step (100) of starting the vehicle to generate a steering-angle setpoint ( $\alpha_{ar}$ ) for the rear wheels. The method comprises: - a step (102) of detecting that the temperature of at least one tyre is below a temperature threshold; - a step (103) of applying a first control law, triggered when the temperature is not detected as being below the temperature threshold, comprising a first limit on the amplitude of the said steering-angle setpoint ( $\alpha_{ar}$ ) for the rear wheels; - a step (104) of applying a second control law, triggered when the temperature is detected as being below the temperature threshold, comprising a second limit on the amplitude of the said steering-angle setpoint ( $\alpha_{ar}$ ) for the rear wheels which is lower, in terms of absolute value, than the said first limit within a first range of speeds ( $V1$ ,  $V4$ ) of travel of the vehicle.

IPC 8 full level

**B62D 7/15** (2006.01)

CPC (source: EP)

**B62D 7/159** (2013.01)

Citation (search report)

See references of WO 2019076779A1

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 2019076779 A1 20190425**; CN 111247052 A 20200605; EP 3697673 A1 20200826; FR 3072631 A1 20190426; FR 3072631 B1 20190927; RU 2020116373 A 20211122

DOCDB simple family (application)

**EP 2018077978 W 20181015**; CN 201880068311 A 20181015; EP 18786758 A 20181015; FR 1759884 A 20171020; RU 2020116373 A 20181015