

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

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- 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 (α_{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 (α_{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 (α_{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

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