

Title (en)

METHOD AND SYSTEM FOR CONTROLLING AND/OR REGULATING THE HANDLING CHARACTERISTICS OF A MOTOR VEHICLE

Title (de)

VERFAHREN UND SYSTEM ZUR STEUERUNG UND/ODER REGELUNG DES FAHRVERHALTENS EINES KRAFTFAHRZEUGES

Title (fr)

PROCEDE ET SYSTEME DE COMMANDE ET/OU DE REGULATION DE LA TENUE DE ROUTE D'UN VEHICULE AUTOMOBILE

Publication

EP 1347900 A1 20031001 (DE)

Application

EP 01985793 A 20011221

Priority

- DE 0104859 W 20011221
- DE 10065775 A 20001230
- DE 10122653 A 20010510

Abstract (en)

[origin: WO02053430A1] The invention relates to a method for controlling and/or regulating the handling characteristics of a motor vehicle, especially of a four-wheel drive motor vehicle with at least two driven wheels. At least one sensor element of a sensor (SVL, SVR, SHL, SHR) is disposed on the wheels and/or in the tires (RVL, RVR, RHL, RHR) associated with said wheels. The output signals of the sensors (SVL, SVR, SHL, SHR) are evaluated for controlling and/or regulating the handling characteristics of the motor vehicle. The inventive method comprises the following steps: a) detecting, by means of the sensors (SVL, SVR, SHL, SHR), the forces acting upon the wheels and/or on the tires (RVL, RVR, RHL, RHR), b) determining a reference speed (FZ_REF) representing the vehicle longitudinal speed while taking into consideration the forces acting upon the wheels and/or on the tires (RVL, RVR, RHL, RHR), and c) taking into consideration the reference speed (FZ_REF) in controlling and/or regulating the handling characteristics.

IPC 1-7

B60T 8/00

IPC 8 full level

G01P 3/487 (2006.01); **B60T 8/172** (2006.01); **B60T 8/1769** (2006.01); **B60T 8/66** (2006.01)

CPC (source: EP US)

B60T 8/1725 (2013.01 - EP US); **B60T 8/1769** (2013.01 - EP US); **B60T 2240/03** (2013.01 - EP US)

Citation (search report)

See references of WO 02053430A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 02053430 A1 20020711; EP 1347900 A1 20031001; JP 2004517314 A 20040610; US 2003141128 A1 20030731

DOCDB simple family (application)

DE 0104859 W 20011221; EP 01985793 A 20011221; JP 2002554560 A 20011221; US 22039202 A 20021213