

Title (en)

BRAKE SYSTEM OF A VEHICLE COMPRISING A VEHICLE DYNAMICS CONTROLLER AND A PRESSURE SENSOR INTEGRATED IN A SHUTTLE VALVE

Title (de)

BREMSSYSTEM EINES FAHRZEUGS BEINHALTEND EINE FAHRDYNAMIKREGELUNG UND EINEN IN EIN WECHSELVENTIL INTEGRIERTEN DRUCKSENSOR

Title (fr)

SYSTÈME DE FREINAGE D'UN VÉHICULE COMPRENANT UNE RÉGULATION DE COMPORTEMENT DYNAMIQUE ET UN CAPTEUR DE PRESSION INTÉGRÉ DANS UNE SOUPEPE D'INVERSION

Publication

EP 2222523 A1 20100901 (DE)

Application

EP 08861954 A 20081205

Priority

- EP 2008010315 W 20081205
- DE 102007060271 A 20071214

Abstract (en)

[origin: WO2009077090A1] The invention relates to a braking system of a vehicle comprising a vehicle dynamics controller (ESP) for influencing the vehicle behavior in the dynamic driving limit range, having an operating brake valve for generating a pressure depending on a driver's desired braking, at least one pressure sensor (3) for generating a signal depending on a pressure generated by the operating brake valve, at least one shuttle valve (2) comprising a valve member (1) for transmitting the pressure generated by the operating brake valve or an accumulator pressure or a pressure derived therefrom to at least one brake cylinder, depending on the level of each pressure applied to the valve member (16). According to the invention, at least one pressure sensor (3) is integrated in a shuttle valve (2) and is integrated therewith to form an assembly (4).

IPC 8 full level

B60T 8/32 (2006.01); **B60T 8/34** (2006.01); **B60T 15/14** (2006.01); **F16K 11/044** (2006.01); **F16K 27/02** (2006.01)

CPC (source: EP US)

B60T 8/327 (2013.01 - EP US); **B60T 8/342** (2013.01 - EP US)

Citation (search report)

See references of WO 2009077090A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009077090 A1 20090625; DE 102007060271 B3 20090730; EP 2222523 A1 20100901; US 2010289325 A1 20101118

DOCDB simple family (application)

EP 2008010315 W 20081205; DE 102007060271 A 20071214; EP 08861954 A 20081205; US 73491808 A 20081205