

Title (en)

METHOD OF IMPROVING ABS CONTROL BEHAVIOUR

Title (de)

VERFAHREN ZUR VERBESSERUNG DES REGELVERHALTENS EINES ABS

Title (fr)

PROCEDE POUR AMELIORER LE COMPORTEMENT EN REGULATION D'UN SYSTEME ANTIBLOPAGE

Publication

EP 0912377 A1 19990506 (DE)

Application

EP 97919399 A 19970422

Priority

- DE 19628979 A 19960718
- EP 9702025 W 19970422

Abstract (en)

[origin: DE19628979A1] The invention concerns a method of improving ABS control behaviour, in particular manoeuvrability and driving stability during braking when cornering. According to the invention, the slip state of the individual wheels is detected by determining a differential slip value (SDi), that is the difference between the wheel slip (DELTA v) at a given moment and the filtered wheel slip (fws), and a slip integral or total slip value (Sli). This total slip value (Sli) is formed by integrating the difference between the wheel slip (DELTA vi) at a given moment and a predetermined permissible slip value (serl.). On the basis of these values, a wheel state value is determined which reproduces the slip path of the wheel or the wheel transverse dynamics. By comparing the slip path values of the individual vehicle wheels, conclusions can be drawn about the vehicle state, in particular as concerns understeering or oversteering.

IPC 1-7

B60T 8/00; **B60T 8/50**; **B60T 8/24**

IPC 8 full level

B60T 8/24 (2006.01); **B60T 8/1755** (2006.01); **B60T 8/1761** (2006.01); **B60T 8/58** (2006.01)

CPC (source: EP US)

B60T 8/1755 (2013.01 - EP US); **B60T 2201/16** (2013.01 - EP US); **B60T 2230/02** (2013.01 - EP US)

Citation (search report)

See references of WO 9803380A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 19628979 A1 19980122; **DE 19628979 B4 20081113**; EP 0912377 A1 19990506; JP 2001504767 A 20010410; US 6208928 B1 20010327; WO 9803380 A1 19980129

DOCDB simple family (application)

DE 19628979 A 19960718; EP 9702025 W 19970422; EP 97919399 A 19970422; JP 50647098 A 19970422; US 21494899 A 19990819