

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

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Application

**EP 97919399 A 19970422**

Priority

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- 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.

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