

Title (en)

METHOD OF IMPROVING THE CONTROL BEHAVIOUR OF AN ANTILOCKING SYSTEM

Title (de)

VERFAHREN ZUR VERBESSERUNG DES REGELVERHALTENS EINES ABS

Title (fr)

PROCEDE POUR AMELIORER LE COMPORTEMENT DE REGULATION D'UN SYSTEME ABS

Publication

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Application

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Priority

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- EP 9604530 W 19961018

Abstract (en)

[origin: DE19545012A1] In order to improve the control behaviour of an antilocking system, a rapid reliable detection of a reduced friction travelling situation is carried out. For that purpose, the re-acceleration of the non-driven wheels following brake pressure reduction during an adjustment is analysed and the presence of a low friction value coefficient detected if in the re-acceleration phase the maximum re-acceleration (amax) of both non-driven wheels remains below a predetermined threshold (aG) while simultaneously the maximum filtered acceleration (aFmax) remains below a defined threshold (aFG) and if the duration (T) of the positive changes in the filtered acceleration (aF) in this phase exceeds a predetermined time threshold (TG). If these conditions are met, the brake pressure reduction in the subsequent instability phase of these wheels is increased, e.g. by permanent actuation of the pressure reduction valves.

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