

Title (en)

METHOD OF IMPROVING THE CONTROL CHARACTERISTICS OF A BRAKE PRESSURE REGULATION SYSTEM

Title (de)

VERFAHREN ZUR VERBESSERUNG DES REGELVERHALTENS EINES BREMSDRUCKREGELUNGSSYSTEMS

Title (fr)

PROCEDE D'AMELIORATION DES CARACTERISTIQUES DE REGULATION D'UN SYSTEME DE REGULATION DE LA PRESSION DE FREINAGE

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Application

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Abstract (en)

[origin: DE19602170A1] A method is proposed for improving the control characteristics of a brake pressure regulation system for vehicles and involves the following: the turning characteristics of the individual vehicle wheels are determined with wheel sensors, a vehicle reference speed (approximately equal to the vehicle speed) and vehicle reference acceleration are determined by logical connection and evaluation of the sensor signals, a brake pressure control signal is formed and brake pressure control signals are generated in accordance with a predetermined regulation mode, and vehicle acceleration sensors are used to determine vehicle body acceleration. The difference between the vehicle reference acceleration (aref; 13) and car body acceleration (aKar; 14) is determined and evaluated to ascertain the road conditions at a given moment. The regulation mode or algorithm is then varied in accordance with the difference signal (DELTA ; 16).

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