

Title (en)

METHOD FOR CONTROLLING THE LEVEL OF PNEUMATIC LEVEL-CONTROL SYSTEMS IN MOTOR VEHICLES

Title (de)

VERFAHREN ZUR NIVEAUREGELUNG FÜR PNEUMATISCHE NIVEAUREGELAN LAGEN IN KRAFTFAHRZEUGEN

Title (fr)

PROCEDE DE REGULATION DE NIVEAU POUR SYSTEMES DE REGULATION DE NIVEAU PNEUMATIQUES DE VEHICULES AUTOMOBILES

Publication

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Application

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Abstract (en)

[origin: WO2005005181A1] The invention relates to a method for controlling the level of a pneumatic level-control system of a motor vehicle comprising at least two axles, at least one pneumatic spring (2a, 2b) per axle, optionally one or more pressure accumulators (3), at least one pressure sensor (24), elements (16, 18, 20, 22) for determining the distance between at least one wheel and/or an axle and the vehicle body, a control unit (10) and a compressor (12). The axle levels are controlled in sequence and adjusted from a starting level to a target level. During a positive adjustment operation the compressor (12) is at least operated temporarily and/or a connection of at least one pneumatic spring (2a, 2b) to the pressure accumulator (3) is established. The positive adjustment operation for the pneumatic spring or springs (2a, 2b) on an axle from a starting level to a higher target level is interrupted by the control unit (10), if at least one shut-off condition of the compressor (12) has been fulfilled and/or the pressure level is too low in the pressure accumulator (3). To prevent the vehicle from leaning, after the interruption of the positive adjustment operation, the level in all axles is adjusted to a common intermediate level, which is closer to the target level than to the starting level.

IPC 1-7

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IPC 8 full level

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