

Title (en)
SWITCHOVER METHOD FOR A SOLENOID VALVE OPERATED IN ANALOGIZED FORM, ELECTROHYDRAULIC BRAKE SYSTEM, AND USE OF THE ELECTROHYDRAULIC BRAKE SYSTEM

Title (de)
SCHALTUMKEHRVERFAHREN FÜR EIN ANALOGISIERT BETRIEBENES MAGNETVENTIL, ELEKTROHYDRAULISCHE BREMSANLAGE UND VERWENDUNG DER ELEKTROHYDRAULISCHEN BREMSANLAGE

Title (fr)
PROCÉDÉ D'INVERSION DE COMMUTATION POUR UNE ÉLECTROVANNE À FONCTIONNEMENT ANALOGIQUE, SYSTÈME DE FREINAGE ÉLECTROHYDRAULIQUE ET UTILISATION DU SYSTÈME DE FREINAGE ÉLECTROHYDRAULIQUE

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Abstract (en)
[origin: WO2014033123A1] The invention relates to a switchover method for a solenoid valve (52, 42), operated in analogized form, in an electrohydraulic brake system (30), in which method the solenoid valve (52, 42) can assume a closed position, an open position and a multiplicity of intermediate positions in accordance with electrical actuation or regulation, and wherein the actuation or regulation is performed as a function of a known current-pressure characteristic curve of the solenoid valve (52, 42). The switchover method according to the invention is characterized in that, upon a switchover of the solenoid valve (52, 42), a pressure-dependent and/or current-dependent magnetic hysteresis characteristic of the solenoid valve (52, 42) is compensated directly without prior modification of the present hysteresis characteristic. The invention also relates to an electrohydraulic brake system (30) and the use of the brake system (30).

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