

Title (en)
HYDRAULIC VEHICLE BRAKING SYSTEM

Title (de)
HYDRAULISCHE FAHRZEUGBREMSANLAGE

Title (fr)
SYSTÈME DE FREINAGE HYDRAULIQUE POUR VÉHICULE

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Application
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Abstract (en)
[origin: WO2011076470A1] The invention relates to a hydraulic vehicle braking system (1) having a primary braking cylinder (2) to which the vehicle braking system (1) is connected via a separating valve (3), said vehicle braking system having slip control. According to the invention, the pedal path simulator (7) is a spring-loaded hydraulic accumulator (8), which can be connected to the primary brake cylinder (2) via a differential pressure controlled simulator valve (9). The simulator valve (9) opens when a braking pressure in the vehicle braking system (1) is greater than a primary braking cylinder pressure; otherwise, the simulator valve (9) is closed. If the separating valve (3) is closed during slip control, for example, the primary braking cylinder (2) forces braking fluid through the opened simulator valve (9) into the hydraulic accumulator (8) upon actuation so that a normal pedal characteristic occurs at least approximately when the separating valve (3) is closed.

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