

Title (en)

HYDRAULIC BRAKING SYSTEM FOR ROAD VEHICLES, IN PARTICULAR PASSENGER CARS

Title (de)

HYDRAULISCHE BREMSANLAGE FÜR STRASSENFAHRZEUGE, INSBESONDERE PERSONENKRAFTWAGEN

Title (fr)

SYSTEME DE FREINAGE HYDRAULIQUE POUR VEHICULES ROUTIERS, NOTAMMENT POUR VOITURES PARTICULIERES

Publication

**EP 0863826 A1 19980916 (DE)**

Application

**EP 96945338 A 19960924**

Priority

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- DE 19546647 A 19951214

Abstract (en)

[origin: DE19546647A1] The invention concerns a braking system (10) comprising a power-operated service brake and an auxiliary brake operated by muscle power. In order to produce a desired pedal characteristic when the service brake is actuated, a brake master cylinder (17) contains a path simulator (37) comprising pressure springs (46, 47) disposed in a pressure chamber (45). The pressure chamber (45) is delimited by a floating piston (42) with a seat valve (63) which provides a pressure-medium-conveying connection between the pressure chamber and a pressure medium supply container of the brake master cylinder (17). The operation of the seat valve (63) is dependent on the stroke of a rod piston (40) by means of which pressure medium can be expelled from a first pressure chamber (43) when the auxiliary brake is actuated. The path simulator (37) comes into effect when no pressure medium is expelled from the first pressure chamber (43) when the service brake is operated, and consequently the seat valve (63) assumes its open position.

IPC 1-7

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IPC 8 full level

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