

Title (en)

CONTROL DEVICE FOR THE BRAKING SYSTEM OF A MOTOR VEHICLE

Title (de)

BETÄTIGUNGSEINRICHTUNG FÜR DIE BREMSANLAGE EINES KRAFTFAHRZEUGES

Title (fr)

DISPOSITIF DE COMMANDE DU SYSTEME DE FREINAGE D'UN VEHICULE AUTOMOBILE

Publication

EP 1237768 A1 20020911 (DE)

Application

EP 01987718 A 20011018

Priority

- DE 0103927 W 20011018
- DE 10052290 A 20001020

Abstract (en)

[origin: WO0232738A1] The invention relates to a control device for the brake system of a motor vehicle, comprising a pedal block (1) to which a brake pedal (10) is pivotably fixed, a brake booster (2) comprising a housing with a housing floor part (6) and a bell-shaped housing cover (5); and a master brake cylinder assembly (3) which is connected thereto, for hydraulically subjecting the individual wheel brakes of the motor vehicle to force. The pedal block (1) and the housing floor part (6) are formed as a single piece from plastic, the bell-shaped housing cover (5) and the master brake cylinder assembly (3), which has a reservoir (4) with a reservoir floor (4a) and a piston unit (14), also being formed as a single-piece plastic part. A hydraulic pipe (15), encased in a plastic part, for holding the individual brake pistons (17), is located inside the piston unit (14). This inventive configuration results in a particularly compactly constructed control device with both a reduced weight and a reduced number of individual components being used. Special configurations of the subject matter of the invention also allow the use of a tandem brake booster instead of the single brake booster known from the prior art.

IPC 1-7

B60T 13/567; B60T 13/565; B60T 11/16

IPC 8 full level

B60T 7/02 (2006.01); **B60T 7/06** (2006.01); **B60T 11/16** (2006.01); **B60T 11/22** (2006.01); **B60T 13/56** (2006.01); **B60T 13/565** (2006.01); **B60T 13/567** (2006.01)

CPC (source: EP US)

B60T 11/16 (2013.01 - EP US); **B60T 13/565** (2013.01 - EP US); **B60T 13/567** (2013.01 - EP US)

Citation (search report)

See references of WO 0232738A1

Cited by

US10296037B2; US10551866B2

Designated contracting state (EPC)

AT BE CH CY DE ES FR GB IT LI SE

DOCDB simple family (publication)

WO 0232738 A1 20020425; BR 0107337 A 20020827; DE 10052290 A1 20020508; EP 1237768 A1 20020911; JP 2004511393 A 20040415; MX PA02005392 A 20030128; US 2003025389 A1 20030206

DOCDB simple family (application)

DE 0103927 W 20011018; BR 0107337 A 20011018; DE 10052290 A 20001020; EP 01987718 A 20011018; JP 2002535940 A 20011018; MX PA02005392 A 20011018; US 16876902 A 20020619