

Title (en)

BRAKE FORCE AMPLIFIER/MASTER CYLINDER UNIT WITH ENHANCED BRAKING CAPACITY IN CASE OF BRAKE BOOSTER FAILURE

Title (de)

BREMSKRAFTVERSTÄRKER/HAUPTZYLINDER-EINHEIT MIT VERBESSERTER BREMSFÄHIGKEIT BEI EINEM BREMSKRAFTVERSTÄRKERAUSFALL

Title (fr)

UNITE SERVOFREIN/MAITRE CYLINDRE A APTITUDE AU FREINAGE AMELIOREE EN CAS DE DEFAILLANCE DU SERVOFREIN

Publication

EP 1037784 A1 20000927 (DE)

Application

EP 98961250 A 19981203

Priority

- DE 19756248 A 19971217
- EP 9807878 W 19981203

Abstract (en)

[origin: DE19756248A1] A brake booster/master cylinder unit (10) for a hydraulic motor vehicle brake system comprising a master cylinder (14) with a housing (32) containing a bore hole (34). A piston (36) is moveably and sealingly guided in said bore hole (34) and mechanically connected to a bar-shaped actuating member (30) to transmit an input force from the brake booster (12) to the piston. On one side, the piston (36) defines a pressure chamber (38) with a pressure outlet (48) provided for connection to a brake circuit. On the other side opposite the actuating member (30), said piston defines a caster chamber (40). The piston (36) has a larger hydraulically active surface than that of the actuating member (30). A device enabling selective fluid connection between the pressure chamber and the caster chamber (40) establishes said connection when the brake booster (12) fails to work or malfunctions.

IPC 1-7

B60T 17/18; **B60T 13/565**; **B60T 11/224**

IPC 8 full level

B60T 13/132 (2006.01); **B60T 13/565** (2006.01); **B60T 13/68** (2006.01); **B60T 17/18** (2006.01)

CPC (source: EP)

B60T 8/4275 (2013.01); **B60T 8/444** (2013.01); **B60T 13/565** (2013.01); **B60T 13/686** (2013.01); **B60T 17/18** (2013.01)

Citation (search report)

See references of WO 9930948A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 19756248 A1 19990701; EP 1037784 A1 20000927; WO 9930948 A1 19990624

DOCDB simple family (application)

DE 19756248 A 19971217; EP 9807878 W 19981203; EP 98961250 A 19981203