

Title (en)

VACUUM BRAKE BOOSTER COMPRISING AN IMPROVED MAGNET-FREE EMERGENCY BRAKE AID SYSTEM

Title (de)

UNTERDRUCK- BREMSKRAFTVERSTÄRKER MIT VERBESSERTER, MAGNETLOSER NOTBREMSHILFE

Title (fr)

SERVOFREIN A DEPRESSION COMPRENANT UN SYSTEME AMELIORE D'AIDE AU FREINAGE D'URGENCE SANS AIMANT

Publication

**EP 1259409 A1 20021127 (DE)**

Application

**EP 01927699 A 20010223**

Priority

- DE 10010385 A 20000303
- EP 0102092 W 20010223

Abstract (en)

[origin: DE10010385A1] Sub-atmospheric pressure brake force amplifier (10) has a sub-atmospheric pressure chamber (16) with a pressure-tight work chamber (18) separated from it by a movable wall (14). A control valve (20) controls with a first valve sealing member (42) the feed of atmospheric pressure or excess pressure to the work chamber (18) dependent upon the displacement of an input member (24) of the brake force amplifier, in order to achieve a pressure difference on the movable wall. A first valve seat (40) is formed on a displaceable valve member (38), which is coupled in the operating direction of the brake force amplifier with the input member. A second valve seat (44), in conjunction with the first valve sealing member, controls a connection between the sub-pressure chamber and the work chamber. The valve member, on its rear side facing the input member, is exposed to the pressure ruling in the work chamber.

[origin: DE10010385A1] Sub-atmospheric pressure brake force amplifier (10) has a sub-atmospheric pressure chamber (16) with a pressure-tight work chamber (18) separated from it by a movable wall (14). A control valve (20) controls with a first valve sealing member (42) the feed of atmospheric pressure or excess pressure to the work chamber (18) dependent upon the displacement of an input member (24) of the brake force amplifier, in order to achieve a pressure difference on the movable wall. A first valve seat (40) is formed on a displaceable valve member (38), which is coupled in the operating direction of the brake force amplifier with the input member. A second valve seat (44), in conjunction with the first valve sealing member, controls a connection between the sub-pressure chamber and the work chamber. The valve member, on its rear side facing the input member, is exposed to the pressure ruling in the work chamber.

IPC 1-7

**B60T 13/52**; **B60T 13/57**

IPC 8 full level

**B60T 8/32** (2006.01); **B60T 13/52** (2006.01); **B60T 13/57** (2006.01)

CPC (source: EP US)

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Citation (search report)

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DOCDB simple family (application)

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