Title (en)

BRAKE BOOSTER WITH AN ELECTROMAGNETIC ACTUATING UNIT

Title (de)

BREMSKRAFTVERSTÄRKER MIT ELEKTROMAGNETISCHER BETÄTIGUNGSEINHEIT

Title (fr)

SERVOFREIN A UNITE D'ACTIONNEMENT ELECTROMAGNETIQUE

Publication

EP 0929430 A1 19990721 (DE)

Application

EP 97911181 A 19971006

Priority

- DE 19641889 A 19961010
- EP 9705479 W 19971006

Abstract (en)

[origin: DE19641889C1] A brake booster (10) for a vehicle braking system comprising a housing (12) subdivided by at least one moveable wall (14) into a vacuum chamber (18) and a working chamber (16). A control valve arrangement (20) pertaining to the brake booster and selectively connecting the working chamber (16) to atmospheric pressure or a vacuum, comprises a control valve housing (21) connected to the moveable wall (14) for common relative movement with regard to brake booster housing (12). Accommodated in the control valve housing (21) is an electromagnetic actuating unit (26) with a magnetic coil (44), a magneto armature (28) working against a spring preload rigidly coupled to the first valve seat (32) of the control valve arrangement (20), and a magneto armature counterpart (46). In order to improve magnetic flow in electromagnetic actuating unit (26) whilst at the same time reducing the number of parts the magneto armature counterpart (46) is penetrated by a diamagnetic and preferably light material insert (92) forming a guide (94) for an actuating piston (64) and protruding from the magneto armature counterpart (46) in the direction of the magneto armature (28).

IPC 1-7

B60T 13/72

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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