

Title (en)

VACUUM BRAKE BOOSTER WITH MECHANICAL EMERGENCY BRAKE BOOST AND IMPROVED SILENCING

Title (de)

UNTERDRUCKBREMSKRAFTVERSTÄRKER MIT MECHANISCHER NOTBREMSHILFE UND VERBESSERTER GERÄUSCHDÄMPFUNG

Title (fr)

SERVOFREIN A DEPRESSION AVEC ASSISTANCE MECANIQUE AU FREINAGE D'URGENCE ET AMORTISSEMENT AMELIORE DES BRUITS

Publication

EP 1202890 A1 20020508 (DE)

Application

EP 00951491 A 20000809

Priority

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- EP 0007747 W 20000809

Abstract (en)

[origin: DE19938040C1] The brake booster includes a spring (42) which pretensions the armature (38) against the operating direction and can be mechanically coupled to the input member (26) so that it dampens the return lift movement of the input member, which takes place when the armature is released from the permanent magnet (40), before the input member has run through its maximum possible return lift relative to the control valve housing (24). A transfer piston (30) rigidly coupled to the input member has in the region of its end remote from same a ring groove (46) with fixed axial extension (s) in which a ring disc (44) is axially displaceable against which the end of the spring remote from the armature is supported. The ring groove is dimensioned and positioned with its axial extension (s) so that the disc only comes into contact with the edge of the ring groove remote from the input member after the armature is released from the permanent magnet.

IPC 1-7

B60T 8/32; B60T 7/04; B60T 13/57; B60T 7/12

IPC 8 full level

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CPC (source: EP US)

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