

Title (en)
BRAKE BOOSTER AND METHOD FOR OPERATING A BRAKE BOOSTER

Title (de)
BREMSKRAFTVERSTÄRKER UND VERFAHREN ZUM BETRIEB EINES BREMSKRAFTVERSTÄRKERS

Title (fr)
SERVOFREIN ET SON PROCÉDÉ DE PRODUCTION

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Application
EP 11752223 A 20110905

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Abstract (en)
[origin: WO2012059260A1] The invention relates to a brake booster (1), comprising an input element (2), which can be operated by a driver, an actuator for generating a support force (Fsup), an output element (6), to which an input force (Fin) or the support force (Fsup) can be applied by the input element (2) and/or by the actuator and by means of which an actuating force can be applied to a piston of a main brake cylinder. The brake booster further comprises a force transmission unit (5) having elastic properties, which is arranged between the input element (2) and the actuator on the one side and the output element (6) on the other and which transmits the input force ((Fin) and/or the support force (Fsup) to the output element (6). An air gap (21) is provided between the input element (2) and the force transmission unit (5), wherein said air gap in an idle mode is smaller or larger than a desired air gap at the beginning of the braking process. According to a method for operating the brake booster, a support force (Fsup) is generated by the actuator prior to a braking command to be anticipated, or directly after detecting a braking command in a time span prior to or directly after detecting an actuation of the input element (2).

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