

Title (en)  
ELECTROMECHANICAL BRAKE SERVO

Title (de)  
ELEKTROMECHANISCHER BREMSKRAFTVERSTÄRKER

Title (fr)  
SERVOFREIN ÉLECTROMÉCANIQUE

Publication  
**EP 2137035 A1 20091230 (DE)**

Application  
**EP 08717117 A 20080226**

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Abstract (en)  
[origin: WO2008128811A1] The invention relates to an electromechanical brake servo (7) for a master brake cylinder (1) of a hydraulic vehicle braking system. The invention provides to configure the brake servo (7) such that it preferably comprises a switchable freewheel (12), which enables an actuation of the master brake cylinder (1) without any movement of the electric motor (8) of the brake servo (7). The invention further provides to configure the brake servo (7) such that it comprises a mechanical gear having a variable transmission ratio, which has a high path transmission at the beginning of an actuation of the master brake cylinder (1), and a force transmission that rises with increasing actuation. A variable gear ratio is possible using a rack and pinion gear (9), the toothed rack (10) of which has a toothing with a pitch that changes across the length of the toothed rack (10). A further possibility of a mechanical gear having a variable ratio is a toggle lever mechanism (not illustrated).

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2008128811A1

Cited by  
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