

Title (en)  
SERVO DRIVE FOR POWER ASSISTED STEERING

Title (de)  
SERVOANTRIEB FÜR SERVOLENKUNG

Title (fr)  
SERVOCOMMANDE POUR DIRECTION ASSISTEE

Publication  
**EP 1937534 A1 20080702 (DE)**

Application  
**EP 06828810 A 20061019**

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Abstract (en)  
[origin: WO2007045397A1] The invention relates to a servo drive consisting of a hydraulic cylinder comprising a piston (30) that is mounted in said cylinder and that delimits two working chambers (31, 32). Relief lines (26, 27), which are connected to the working chambers (31, 32) via control orifices (39, 40), aid the definition of the right and left end positions of the piston (30). The control orifices (39, 40) are exposed by the piston (30) in its respective end positions, thus relieving the pressure in the active working chamber. An end stop, which is predetermined by the position of the control orifices (39, 40) is thus formed by the pressure relief that occurs at the relevant location in the working chamber. This measure relieves the pressure in the hydraulic pump (16), in particular in the end stop positions.

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