

Title (en)

ACTUATING DEVICE FOR A HYDRAULIC, ELECTRICALLY CONTROLLED PROPORTIONAL VALVE

Publication

**EP 0278227 B1 19921021 (DE)**

Application

**EP 88100238 A 19880111**

Priority

DE 3704189 A 19870211

Abstract (en)

[origin: EP0278227A2] An actuating device (10) for an electro-hydraulic proportional valve (16) is proposed in which a proportional magnet (11) and a displacement transducer (12) are arranged in a common housing (14) and have a common one-piece pressure tube (23) in which an armature (31) and a receiver core (33) rigidly coupled to the latter are guided. The hollow bore (17) accommodating the pressure tube (23) has in the housing (14) a second section (22) of smaller diameter which supports the pressure tube (23) and merges towards both end faces (15, 18) into sections (19, 24) of larger diameter so that magnet coil (21) and pressure tube (23) can be fitted in the housing (14) from an end face (15) on the valve side, and the measuring coils (37) on the receiver side can be fitted in the housing (14) from the other end face (18). A flat longitudinal side of the housing (14) forms a mounting surface (47) spanning the proportional magnet (11) and the displacement transducer (12) for attachment to the associated electronic unit (13). <IMAGE>

IPC 1-7

**F15B 13/16**; **F16K 31/06**; **F16K 37/00**; **H01F 7/16**

IPC 8 full level

**F15B 13/044** (2006.01); **F15B 13/16** (2006.01); **F16K 31/06** (2006.01); **F16K 37/00** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)

**H01F 7/1607** (2013.01); **H01F 2007/085** (2013.01); **H01F 2007/1684** (2013.01)

Cited by

US8138871B2; DE19707587B4; GB2262809A; GB2262809B; DE19530935A1; DE19530935C2; WO02091404A1

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