

Title (en)
ELECTROMAGNETIC POSITIONING DEVICE

Publication
EP 0405187 B1 19930929 (DE)

Application
EP 90110559 A 19900605

Priority
DE 3920931 A 19890627

Abstract (en)
[origin: EP0405187A1] In order to adjust the stroke of a control element (15) which is actuated electromagnetically by a spring-mass oscillation system (5,13,50), for displacement machines and in order to permit a free arrangement of the electromagnetic positioning device in the housing (8), in particular in a cylinder head of a displacement machine, the movement of the positioning device is transmitted to the control element, in particular one or more stroke valves or flat slide valves by means of a mechanical or hydraulic transmission system (10) with a variable transmission ratio. In addition, devices (54,55) are described for exactly setting the position of equilibrium of the oscillating system. The electromagnetic positioning device can also be combined with a limit position damper (7) or with a hydraulic compensation element (51) of known design. <IMAGE>

IPC 1-7
F01L 9/04; **F01L 31/22**

IPC 8 full level
F01L 9/20 (2021.01); **F01L 13/00** (2006.01); **F01L 31/22** (2006.01)

CPC (source: EP US)
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Cited by
EP0799394A4; FR2989416A1; EP0867898A1; US5730102A; EP1087110A1; WO9605415A1; US6427650B1

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