

Title (en)
HYDRAULIC VALVE CONTROL DEVICE

Publication
EP 0254967 B1 19891108 (DE)

Application
EP 87110247 A 19870716

Priority
DE 3625627 A 19860729

Abstract (en)
[origin: EP0254967A2] 1. A device for hydraulic control of reciprocating valves on piston engines, the opening movement being transmitted directly to the valve via a hydraulic chamber and a working piston and the closing movement being triggered by an energy accumulating element engaging the valve, a throttle gap formed by the working piston and a stationary wall of the hydraulic chamber being provided for the fluid displaced in the process by the working cylinder, characterised in that a freely-movable orifice plate (13) is provided in the hydraulic chamber (3) between an abutment (23) and a stationary abutment (15) on the casing, and divides the throttle gap into a first damping gap (19) formed by the orifice plate (13) and the working piston (4), and a second damping gap (20) formed by the orifice plate (13) and the abutment (15) on the casing.

IPC 1-7
F01L 1/16; **F01L 9/02**

IPC 8 full level
F01L 1/16 (2006.01); **F01L 9/12** (2021.01)

CPC (source: EP)
F01L 1/16 (2013.01); **F01L 9/12** (2021.01); **F01L 2001/34446** (2013.01)

Cited by
EP1232336A4; GB2277777A; GB2277777B; WO9409265A1

Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0254967 A2 19880203; **EP 0254967 A3 19880330**; **EP 0254967 B1 19891108**; DE 3625627 A1 19880204; DE 3625627 C2 19880623; DE 3760968 D1 19891214; ES 2011471 B3 19900116

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