

Title (en)
HYDRAULIC VALVE CONTROL DEVICE

Publication
EP 0255668 A3 19880323 (DE)

Application
EP 87110729 A 19870724

Priority
DE 3625652 A 19860729

Abstract (en)
[origin: EP0255668A2] 1. A device for the hydraulic control of reciprocating valves on piston engines where the opening movement s transmitted through a hydraulic chamber (3) and a working piston (4) directly to the valve (7) and the closing movement is triggered by a force-storage element (22) acting upon the valve (7), while for the fluid then displaced by the working piston (4) a damping gap (19) which is formed by the working piston (4) and a non-displaceable wall (15) of the hydraulic chamber (3) is provided, characterised in that the working piston (4) is provided with a blind hole in which there is guided a brake element (8) supported through a force-storage means (9) on the working piston (4) and displaceable in the direction of movement of the working piston which brake element forms one of the surfaces of the damping gap.

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

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)

Citation (search report)
• [AD] DE 3537630 A1 19860430 - VOLKSWAGEN AG [DE]
• [A] CH 243908 A 19460815 - SCHWEIZERISCHE LOKOMOTIV [CH]
• [AP] EP 0196441 A1 19861008 - BOSCH GMBH ROBERT [DE]
• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 103 (M-377)[1826], 8. Mai 1985; & JP-A-39 229 011 (YANMAR DIESEL K.K.) 22-12-1984
• [A] PATENT ABSTRACTS OF JAPAN, Band 10, Nr. 270 (M-517)[2326], 13. September 1986; & JP-A-61 93 214 (SUMITOMO HEAVY IND. LTD) 12-05-1986

Cited by
AT410696B; DE102006012067A1; DE102006012067B4; DE3833459A1; EP0317371A1; US6382147B1; WO2018065011A1;
DE102017113783A1; US10718237B2

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