Title (en)

A hydraulic device for controlling a piloting pressure

Title (de)

Hydraulische Vorrichtung zum Steuern eines Vorsteuerdrucks

Title (fr)

Dispositif hydraulique pour le réglage d'une pression de pilotage

Publication

EP 1178219 A1 20020206 (EN)

Application

EP 00830561 A 20000804

Priority

EP 00830561 A 20000804

Abstract (en)

The hydraulic device for controlling a piloting pressure (18) comprises a two-way valve (2) located on a hydraulic piloting conduit (17) which provides a piloting pressure to a controlling overcentre valve (16). The piloting pressure is taken from a delivery branch (15) of a hydraulic actuator (9) during a load lowering phase (12). The two-way valve (2) is normally open and is closed by effect of a predetermined pressure on the delivery branch (15). An adjustable choke (19) is arranged in parallel to the two-way valve (2) on an auxiliary by-pass conduit (20). The device enables a rapid and progressive activation of the hydraulic actuator (9) during the load lowering phase. <IMAGE>

IPC 1-7

F15B 11/00; F15B 21/04

IPC 8 full level

F15B 21/045 (2019.01); **F15B 11/00** (2006.01)

CPC (source: EP)

F15B 11/003 (2013.01); **F15B 21/045** (2013.01); F15B 2211/30525 (2013.01); F15B 2211/329 (2013.01); F15B 2211/355 (2013.01); F15B 2211/40515 (2013.01); F15B 2211/40584 (2013.01); F15B 2211/413 (2013.01); F15B 2211/41527 (2013.01); F15B 2211/428 (2013.01); F15B 2211/46 (2013.01); F15B 2211/473 (2013.01); F15B 2211/50545 (2013.01); F15B 2211/6355 (2013.01); F15B 2211/67 (2013.01)

Citation (search report)

- [X] EP 0499694 A2 19920826 - HEILMEIER & WEINLEIN [DE]
- [A] EP 0955472 A1 19991110 - HEILMEIER & WEINLEIN [DE]

Cited by

EP2372167A1; EP2341253A1; EP1860009A3; IT201700062799A1; CN102116329A; EP2330303A1; US8413688B2; EP2631517B1; EP2631517A1

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