

Title (en)

Cylinder accumulator with charging oil disconnecting device in a hydraulic circuit.

Title (de)

Zylinder-Druckspeicher mit Lade-Ölstromabschalteneinrichtung in einer Hydraulikanlage.

Title (fr)

Accumulateur à cylindre avec dispositif pour déconnecter l'huile de charge, incorporé dans un circuit hydraulique.

Publication

EP 0538501 B1 19941228 (DE)

Application

EP 91117885 A 19911019

Priority

EP 91117885 A 19911019

Abstract (en)

[origin: EP0538501A1] The invention relates to a cylinder accumulator with a floating piston (6), subdividing the cylinder space into an oil space (4) and a gas space (5), in a hydraulic circuit. A control rod (14) projecting axially into the gas space (5) is arranged in an axially movable manner at the cylinder lid (3) on the gas-space side, which control rod (14) acts through the piston (6) on a control valve (18) arranged in the cylinder lid (3) on the gas-space side. Crossing a part (3a) of the cylinder lid (3) projecting from the cylinder lid (3) is an oil passage (17a, 17b), in which the control valve (18) is arranged in the area of the cylinder axis and the inlet side (17a) of which is connected by a bypass pipeline (19), bridging the accumulator, to the pipeline (8), leading into the oil space (4), for the charging-oil flow. A distance tube (23) coaxially surrounding the control rod (14) is arranged on the inside of the cylinder lid (3) on the gas-space side. The distance tube (23) accommodates a spring arrangement which is supported on an intermediate base (25) arranged in the distance tube (23) and acts via an abutment (27) against the piston (6) on the control rod (14). <IMAGE>

IPC 1-7

F15B 1/053; **B61D 7/28**

IPC 8 full level

B61D 7/28 (2006.01); **F15B 1/24** (2006.01)

CPC (source: EP)

B61D 7/28 (2013.01); **F15B 1/24** (2013.01); **F15B 2201/205** (2013.01); **F15B 2201/312** (2013.01); **F15B 2201/411** (2013.01); **F15B 2201/413** (2013.01); **F15B 2201/4155** (2013.01)

Cited by

CN109058183A; CN112728156A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0538501 A1 19930428; **EP 0538501 B1 19941228**; AT E116409 T1 19950115; DE 59104086 D1 19950209; ES 2069170 T3 19950501

DOCDB simple family (application)

EP 91117885 A 19911019; AT 91117885 T 19911019; DE 59104086 T 19911019; ES 91117885 T 19911019