

Title (en)  
Accumulator

Title (de)  
Druckspeicher

Title (fr)  
Accumulateur

Publication  
**EP 1659295 A1 20060524 (EN)**

Application  
**EP 05257117 A 20051118**

Priority  
GB 0425428 A 20041118

Abstract (en)  
An accumulator 100 is described. The accumulator comprises a cylinder 110 and a port 120, 130 for the passage of hydraulic fluid into and out of the cylinder at each axial end of the cylinder. Two pistons 140, 150 are arranged to reciprocate in an axial direction within the cylinder with a peripheral edge of each of the pistons sealing against the inside surface of the cylinder as they reciprocate. In use a volume of fluid is provided between the pistons to act on both pistons. The volume of fluid, which may be a gas such as nitrogen, acts on both pistons to provide a constant spring rate to both pistons. A valve is preferably provided in one of the pistons, for fluid to be supplied between the pistons. A hydraulic system with two hydraulic lines may incorporate the accumulator in the hydraulic system with one of the hydraulic fluid ports of the accumulator connected to each of the two hydraulic lines.

IPC 8 full level  
**F15B 1/24** (2006.01)

CPC (source: EP)  
**F15B 1/24** (2013.01); **F15B 2201/205** (2013.01); **F15B 2201/312** (2013.01); **F15B 2201/32** (2013.01); **F15B 2201/4155** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1659295 A1 20060524**; GB 0425428 D0 20041222; GB 2420380 A 20060524

DOCDB simple family (application)  
**EP 05257117 A 20051118**; GB 0425428 A 20041118