

Title (en)  
Piston-type accumulator with sealing device

Title (de)  
Kolbenspeicher mit Dichtungsvorrichtung

Title (fr)  
Accumulateur à piston avec dispositif d'étanchéité

Publication  
**EP 0854296 B1 20030604 (DE)**

Application  
**EP 97118384 A 19971023**

Priority  
DE 19701303 A 19970116

Abstract (en)  
[origin: EP0854296A2] The accumulator has two isolator pistons (12,18) which separate a fluid side (14) from a gas side (16), and an intermediate chamber (20) with sealing medium. The pistons are moved towards each by the force of a pretension unit, so that the sealing medium is compressed. The unit has a power accumulator (26) and a connection rod (28), which passes through both pistons. The accumulator is a compression spring, supported with its ends on the first piston and on the connecting rod. At least one of the pistons (12) has a closeable feed line (36) for the sealing medium, which opens into the intermediate chamber. The medium is a highly viscous oil.

IPC 1-7  
**F15B 1/24**

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

CPC (source: EP)  
**F15B 1/24** (2013.01); **F15B 2201/205** (2013.01); **F15B 2201/21** (2013.01); **F15B 2201/312** (2013.01); **F15B 2201/3157** (2013.01); **F15B 2201/32** (2013.01); **F15B 2201/411** (2013.01)

Cited by  
US2016369822A1; EP1342922A3; US10273980B2; US8602046B2; WO2010024692A1; WO2015180435A1

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