

Title (en)
Piston accumulator

Title (de)
Kolbenspeicher

Title (fr)
Accumulateur de piston

Publication
EP 2012020 A3 20110406 (EN)

Application
EP 08009865 A 20080530

Priority
DE 102007031525 A 20070706

Abstract (en)
[origin: EP2012020A2] A piston accumulator (40) for damping two fluid systems is provided. The piston accumulator (40) comprises a cylinder (42), a first port (44) for a fluid system to be damped, which is disposed at one end of the cylinder (42), and a first piston (52), which is contained in a sealed manner and slidably in the cylinder (42). Furthermore, the piston accumulator (40) comprises a second port (46) for a second fluid system to be damped, which is disposed at the other end of the cylinder (42), and a second piston (54), which is contained in the cylinder (42) in a sealed manner and is slideable between the first piston (52) and the second port (46). A first damping volume (60), formed between the first (52) and the second piston (54), is or can be filled with fluid, preferably gas. The accumulator further comprises a third piston (68), which is contained in the cylinder (42) in a sealed manner and is slideable between the second piston (54) and the second port (46), wherein a second damping volume (70), formed between the second (54) and the third (68) piston, is or can be filled with fluid.

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F15B 1/24 (2006.01)

CPC (source: EP)
F15B 1/24 (2013.01); **F15B 2201/205** (2013.01); **F15B 2201/31** (2013.01); **F15B 2201/32** (2013.01); **F15B 2201/413** (2013.01)

Citation (search report)
• [X] DE 9416577 U1 19950105 - HYDAC TECHNOLOGY GMBH [DE]
• [A] GB 2420380 A 20060524 - PARKER HANNIFIN PLC [GB]
• [A] EP 0078031 A1 19830504 - DEERE & CO [US]

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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