

Title (en)

Pressure accumulator and use of a pressure equaliser body for same

Title (de)

Druckspeicher und Verwendung eines Druckausgleichskörpers dafür

Title (fr)

Accumulateur de pression et utilisation d'un corps d'équilibrage de pression associé

Publication

EP 2518328 A1 20121031 (DE)

Application

EP 11003411 A 20110426

Priority

EP 11003411 A 20110426

Abstract (en)

The accumulator has a pressure container (1) flow-conductively connected to a hydraulic system, and a pressure peak compensation device (2) arranged in the container, which is made of metallic material. The pressure peak compensation device is formed by a compressible pressure compensating body (3), which is loosely arranged in the container. The compensating body is formed by a closed cell foam body (4). The foam body is surrounded by a resilient sheath that is impermeable to medium to be stored. An inner side of a pressure chamber is provided with a coating (7) made of PTFE.

Abstract (de)

Druckspeicher, umfassend einen Druckbehälter (1), der strömungsleitend mit einem hydraulischen System verbindbar ist, wobei in dem Druckbehälter (1) eine Druckspitzen-Kompensationseinrichtung (2) angeordnet ist. Die Druckspitzen-Kompensationseinrichtung (2) ist durch einen kompressiblen Druckausgleichskörper (3) gebildet, der lose im Druckbehälter (1) angeordnet ist.

IPC 8 full level

F15B 1/04 (2006.01)

CPC (source: EP)

F15B 1/086 (2013.01); **F15B 2201/3154** (2013.01); **F15B 2201/4053** (2013.01)

Citation (applicant)

DE 10235080 B3 20040122 - FREUDENBERG CARL KG [DE]

Citation (search report)

- [XY] DE 3333597 A1 19850418 - WILKHAHN WILKENING & HAHNE [DE]
- [Y] DE 1650095 A1 19700813 - LANGEN & CO
- [X] DE 102004011443 A1 20050922 - BOSCH REXROTH AG [DE]
- [X] GB 1197524 A 19700708 - AUTOMOTIVE PROD CO LTD

Cited by

DE102014213108B3; US2012180755A1; GB2566094A; GB2566094B; WO2021146772A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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