

Title (en)
HYDROPNEUMATIC PRESSURE ACCUMULATOR

Title (de)
HYDROPNEUMATISCHER DRUCKSPEICHER

Title (fr)
ACCUMULATEUR DE PRESSION HYDROPNEUMATIQUE

Publication
EP 1181457 B1 20030625 (DE)

Application
EP 00912582 A 20000310

Priority
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• EP 0002083 W 20000310

Abstract (en)
[origin: US6527012B1] A hydropneumatic pressure accumulator, includes a gas chamber, an oil chamber, and a pair of metal bellows separating the chambers. An end plate is displaced according to volume changes in the gas chamber and oil chamber. A valve releases and blocks the flow of hydraulic fluid out of and into the oil chamber and has a valve lifter that controls the valve. During the displacement of the end plate, corresponding to a volume expansion in the gas chamber exceeding a predetermined maximum value, the valve lifter can be displaced by the end plate into a position which blocks the valve. The valve lifter is connected in a fixed manner to the end plate of the metal bellows. The valve can be blocked in two opposing directions by the displacement of the valve lifter.

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IPC 8 full level
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