

Title (en)

HELIUM CHARGED HYDRAULIC ACCUMULATORS

Publication

EP 0215296 B1 19891227 (EN)

Application

EP 86111176 A 19860812

Priority

US 76622385 A 19850816

Abstract (en)

[origin: EP0215296A1] A helium charged accumulator is disclosed for use in hydraulic fluid pressure systems. The size of the accumulator is optimized for particular operating conditions of specific applications of the hydraulic systems by means of a formula. The formula has, as its terms, the volume of the hydraulic fluid required to power a given device, the compressibility factor of the particular gas used and the temperature and pressure of the gas at the beginning of, during, and at the end of the operation cycle of the accumulator.

IPC 1-7

F15B 1/047

IPC 8 full level

F15B 1/10 (2006.01)

CPC (source: EP)

F15B 1/103 (2013.01); **F15B 2201/205** (2013.01); **F15B 2201/3153** (2013.01); **F15B 2201/3158** (2013.01); **F15B 2201/41** (2013.01); **F15B 2201/4155** (2013.01)

Cited by

CN106468291A; US5265942A; US5380074A; US4911204A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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