

Title (en)
PRESTRESSED HYDROPNEUMATIC ACCUMULATOR WITH PRESSURE RELIEF

Publication
EP 0060181 B1 19860402 (FR)

Application
EP 82400344 A 19820226

Priority
• FR 8103926 A 19810227
• FR 8109206 A 19810508

Abstract (en)
[origin: ES8303623A1] An oleopneumatic accumulator having a first chamber receiving hydraulic fluid and a second chamber receiving pressurized gas with the chamber being separated by a flexible diaphragm is disclosed. The accumulator has a cylindrical shell with two open ends closed by plugs. The plugs are held together by at least one pretensioned tie rod and one end has a larger inner diameter than the other end. When a predetermined pressure is exceeded the larger inner diameter cylinder end will separate from its plug reducing hydraulic pressure to a value less than the predetermined pressure.

IPC 1-7
F15B 1/047

IPC 8 full level
F15B 1/10 (2006.01); **F15B 1/12** (2006.01); **F15B 1/22** (2006.01)

CPC (source: EP US)
F15B 1/106 (2013.01 - EP US); **F15B 1/125** (2013.01 - EP US); **F15B 1/22** (2013.01 - EP US); **F15B 2201/205** (2013.01 - EP US); **F15B 2201/3151** (2013.01 - EP US); **F15B 2201/411** (2013.01 - EP US); **F15B 2201/4155** (2013.01 - EP US); **F15B 2201/435** (2013.01 - EP US)

Citation (examination)
• DE 2430261 A1 19760115 - KLOECKNER WERKE AG
• DE 2430073 A1 19760108 - KLOECKNER WERKE AG
• EP 0035427 A2 19810909 - LEDUC & FILS RENE [FR]

Cited by
FR2938308A1; FR2809787A1; EP2453140A3; US9165709B2

Designated contracting state (EPC)
AT BE DE IT SE

DOCDB simple family (publication)
EP 0060181 A1 19820915; EP 0060181 B1 19860402; CA 1165663 A 19840417; CH 652174 A5 19851031; DE 3270209 D1 19860507; ES 509907 A0 19830201; ES 8303623 A1 19830201; US 4449552 A 19840522; YU 43068 B 19890228; YU 43982 A 19850320

DOCDB simple family (application)
EP 82400344 A 19820226; CA 396593 A 19820218; CH 71482 A 19820205; DE 3270209 T 19820226; ES 509907 A 19820225; US 45770282 A 19820211; YU 43982 A 19820226