

Title (en)

METHOD OF MAKING A PRESTRESSED ACCUMULATOR AND ACCUMULATOR ACCORDING TO THIS METHOD

Publication

**EP 0035427 B1 19841024 (FR)**

Application

**EP 81400246 A 19810218**

Priority

- FR 8004313 A 19800227
- FR 8009781 A 19800430

Abstract (en)

[origin: ES8201694A1] A hydraulic accumulator comprises two-halves shells, the diaphragm therebetween defining two cavities. One cavity contains pressurized gas and the cavity receives hydraulic fluid under pressure. The two-half shells are held together by a mechanical element, such as a belt which has been previously prestressed to a tension selected according to the maximum pressure to which the accumulator will be subjected. The use of the prestressed mechanical element changes the dynamic stresses ordinarily found in a hydraulic accumulator to static stresses, thus minimizing the occurrence of cracks and failure of the device.

IPC 1-7

**F15B 1/047**

IPC 8 full level

**F15B 1/10** (2006.01); **F15B 1/12** (2006.01)

CPC (source: EP US)

**F15B 1/106** (2013.01 - EP US); **F15B 1/12** (2013.01 - EP US); **F15B 2201/205** (2013.01 - EP US); **F15B 2201/3151** (2013.01 - EP US); **F15B 2201/3156** (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); **F15B 2201/60** (2013.01 - EP US); **F15B 2201/605** (2013.01 - EP US); **Y10T 29/49394** (2015.01 - EP US); **Y10T 29/49863** (2015.01 - EP US); **Y10T 403/48** (2015.01 - EP US); **Y10T 403/57** (2015.01 - EP US)

Citation (examination)

US 2563257 A 19510807 - LOUKONEN ERNEST W

Cited by

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Designated contracting state (EPC)

AT BE CH DE IT LI SE

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**EP 0035427 A2 19810909**; **EP 0035427 A3 19811007**; **EP 0035427 B1 19841024**; AT E10024 T1 19841115; CA 1153281 A 19830906; DE 3166761 D1 19841129; ES 499284 A0 19820101; ES 8201694 A1 19820101; US 4492013 A 19850108

DOCDB simple family (application)

**EP 81400246 A 19810218**; AT 81400246 T 19810218; CA 371511 A 19810223; DE 3166761 T 19810218; ES 499284 A 19810210; US 23619581 A 19810220