

Title (en)

PRESSURE ACCUMULATOR, IN PARTICULAR PULSATION DAMPER

Title (de)

DRUCKSPEICHER, INSBESONDERE PULSATIONS DÄMPFER

Title (fr)

ACCUMULATEUR DE PRESSION, EN PARTICULIER AMORTISSEUR DE PULSATIONS

Publication

EP 1987254 B1 20120912 (DE)

Application

EP 06818509 A 20061114

Priority

- EP 2006010885 W 20061114
- DE 102006008175 A 20060222

Abstract (en)

[origin: DE102006008175A1] The damper is a pressure storage unit, comprising a casing (1) with liquid inlet and outlet (15, 17), which contains a gas-filled bellows unit (21). In a new arrangement, inlet and outlet are at axially-opposite ends of the casing. Liquid flows longitudinally through the casing, past the bellows. It flows in the direction of movement of an internal piston section (31) associated with the bellows. The corrugated cylindrical metal bellows separates flowing liquid from the gas (23) it contains. It may alternatively be constructed as a series of membrane pairs.

IPC 8 full level

F15B 1/02 (2006.01)

CPC (source: EP KR US)

F15B 1/00 (2013.01 - KR); **F15B 1/02** (2013.01 - KR); **F15B 1/021** (2013.01 - EP US); **F15B 1/103** (2013.01 - EP US); **F15B 1/22** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006008175 A1 20070823; CN 101384824 A 20090311; CN 101384824 B 20110112; DK 1987254 T3 20121001; EP 1987254 A1 20081105; EP 1987254 B1 20120912; JP 2009527706 A 20090730; JP 5074426 B2 20121114; KR 101304186 B1 20130906; KR 20090035464 A 20090409; US 2010307146 A1 20101209; US 8176940 B2 20120515; WO 2007098795 A1 20070907

DOCDB simple family (application)

DE 102006008175 A 20060222; CN 200680053317 A 20061114; DK 06818509 T 20061114; EP 06818509 A 20061114; EP 2006010885 W 20061114; JP 2008555631 A 20061114; KR 20087020238 A 20061114; US 22404006 A 20061114