

Title (en)  
PRESSURE ACCUMULATOR, ESPECIALLY OF THE BELLOWS TYPE

Title (de)  
HYDROSPEICHER, INSBESONDERE BALGSPEICHER

Title (fr)  
ACCUMULATEUR DE PRESSION, EN PARTICULIER ACCUMULATEUR À SOUFFLET

Publication  
**EP 2519748 B1 20161019 (DE)**

Application  
**EP 09801178 A 20091230**

Priority  
EP 2009009331 W 20091230

Abstract (en)  
[origin: WO2011079852A1] A hydraulic accumulator, especially a bellows accumulator, wherein the bellows serving as the mobile separating element between the gas side (21) and the fluid side (23) comprises a closing element (35) that closes the interior of the bellows in a fluid-tight manner on the bellows end (31) that can be axially displaced in the accumulator housing (1) during expansion and compression and is immobilized on the other bellows end (29) relative to the accumulator housing (1), is characterized in that a sealing system (37) sealing the interior of the bellows from the accumulator housing (1) on the immobile bellows end comprises, in addition to a first functional area (63) having a sealing effect, a second functional area in the form of an attachment projecting into the interior of the bellows, at least one bulge (73) projecting axially towards the mobile bellows end (31) forming a flexible buffer for the contact of the closing element (35) of the bellows when the latter is completely compressed.

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 2201/3157** (2013.01)

Cited by  
DE102018007279A1; DE102018007280A1; WO2020053113A1; US11434932B2; WO2020053123A1; US11781569B2; DE102021005656A1; WO2023083745A1

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DOCDB simple family (publication)  
**WO 2011079852 A1 20110707**; DK 2519748 T3 20170130; EP 2519748 A1 20121107; EP 2519748 B1 20161019

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