

Title (en)

PRESSURE STORE AND INSERT PART FOR A PRESSURE STORE

Title (de)

DRUCKSPEICHER UND EINSATZTEIL FÜR EINEN DRUCKSPEICHER

Title (fr)

ACCUMULATEUR DE PRESSION ET PIÈCE D'INSERTION POUR ACCUMULATEUR DE PRESSION

Publication

EP 2588762 B1 20150415 (DE)

Application

EP 11727121 A 20110617

Priority

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- EP 2011002990 W 20110617

Abstract (en)

[origin: WO2012000616A1] A pressure store comprising sub-chambers (8, 54, 28) arranged in a housing (2), a first sub-chamber (8) arranged between the housing (2) and a flexible separating diaphragm (40), a second sub-chamber (54) arranged between the separating diaphragm (40) and a supporting body (48), and a third sub-chamber (28) encompassed by the supporting body (48), wherein the first sub-chamber (8) can be filled with a first fluid, wherein the second sub-chamber (54) and the third sub-chamber (28) are connected to one another in fluid-conducting fashion and can be filled with a second fluid, and wherein the first and the second sub-chamber (8, 54) vary in terms of their respective sizes as a result of movements of the separating diaphragm (40) as a function of the respective filling state, is characterized in that the first fluid is a storage medium and the second fluid is a working medium, and in that the second sub-chamber (54) is increased in size during the extraction of storage medium from the pressure store and is reduced in size during the filling of the pressure store with storage medium.

IPC 8 full level

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