

Title (en)
HYDRAULIC ACCUMULATOR

Title (de)
HYDROSPEICHER

Title (fr)
ACCUMULATEUR HYDRAULIQUE

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Application
EP 03809250 A 20030801

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Abstract (en)
[origin: WO2004038231A1] The invention relates to a hydraulic accumulator comprising a piston (3), which can move inside the accumulator housing (1) in the axial direction thereof and which separates a gas side (5) from a fluid side (7) of the accumulator housing (1). The periphery of said piston is provided with guiding elements (9, 17), which interact with the wall of the accumulator housing (1), and is provided with at least one sealing element (15) that, while being offset in an axial direction with regard to the guiding elements (9, 17), is placed in the peripheral section of the piston (3) located between said guiding elements. According to the invention, a pressure compensation channel (19) is provided inside the piston (3) and forms a fluid path between the fluid side (7) and a space (23) on the piston periphery. Said space (23) is located between the guiding element (17), which is nearest the fluid side (7), and the sealing element (15) that is adjacent thereto in the axial direction. A device (25) that reduces the through-opening cross-section of the pressure compensation channel (19) is provided inside this channel, and the guiding element nearest the fluid side (7) of the piston (3) is placed closely adjacent to the fluid-side end (13) of the piston (3) and is formed by a guiding strip (17) having a dirt scraper lip (35) that extends at least approximately up to the end (13) of the piston (3).

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