

Title (en)
VALVE FOR CONTROLLING LIQUIDS

Title (de)
VENTIL ZUM STEUERN VON FLÜSSIGKEITEN

Title (fr)
SOUPAPE PERMETTANT DE COMMANDER LE PASSAGE DE LIQUIDES

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Application
EP 00978944 A 20000919

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Abstract (en)
[origin: WO0123747A1] The invention relates to a valve for controlling liquids. A valve-closing member (13) separates a low-pressure area (16) in the valve (1) from a high-pressure area (17) and a filling device (19) for compensating a quantity of leakage from the low-pressure area (16) by removing hydraulic fluid from the high-pressure area (17) is also provided. Said filling device (19) is configured in a valve body (9) with a channel-type cavity (18) in which a solid body (26) is arranged in such a way that a gap (28) is formed between said solid body (26) and the valve body (9). The material of the solid body (26) has a greater heat expansion coefficient than the material of the valve body (9), to the extent that a viscosity-related increase in the volume flow flowing around the solid body (26) is at least partially limited as the temperature increases.

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