

Title (en)

VALVE FOR THE TEMPERATURE-DEPENDENT CONTROL OF AT LEAST ONE HYDRAULIC LOAD

Title (de)

VENTIL ZUR TEMPERATURABHÄNGIGEN ANSTEUERUNG MINDESTENS EINES HYDRAULISCHEN VERBRAUCHERS

Title (fr)

SOUPAPE PERMETTANT DE COMMANDER AU MOINS UN CONSOMMATEUR HYDRAULIQUE EN FONCTION DE LA TEMPÉRATURE

Publication

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Application

EP 13826733 A 20131221

Priority

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Abstract (en)

[origin: WO2014106535A1] The invention relates to a valve (10) for the temperature-dependent control of at least one hydraulic load, comprising a valve housing (12), which has at least one tank connection (T), one working connection (A), and one supply connection (P), a control piston (30) for controlling the connections (A, P, T), which control piston is movably arranged in the valve housing (12) and is preloaded by an energy store, such as a working spring (74), and a thermal element (62), which can be supplied with a fluid at a specifiable temperature (T_{fluid}) and which is actively coupled to the control piston (30), wherein the control piston can be moved by control pressure present at the supply connection (P) and wherein the thermal element (62) interacts with the energy store (74) in such a way that the thermal element causes a temperature-dependent change of the preload force acting on the control piston (30).

IPC 8 full level

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Citation (search report)

See references of WO 2014106535A1

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