

Title (en)

Valve apparatus for temperature dependent switch-over of the return flow of a Diesel injection pump

Title (de)

Ventileinrichtung zur temperaturabhängigen Umschaltung der Überströmmenge einer Diesel-Einspritzpumpe

Title (fr)

Dispositif de soupape pour commuter l'écoulement de retour d'une pompe à injection Diesel dépendant de la température

Publication

EP 1270925 A3 20040310 (DE)

Application

EP 02011013 A 20020517

Priority

DE 10131202 A 20010628

Abstract (en)

[origin: EP1270925A2] The valve device has at least two bimetallic plates (52,53) arranged in a housing for temperature-dependent actuation of a control element (51). The control element has an associated second valve seat and the bimetallic plates are arranged between the valve seats (24,25). The device has a feed connection for the overflow quantity, a return connection to the tank and an outlet connection for returning the pressurized medium to the feed side of the injection pump. The connections lead to a housing, whereby their channels open into a housing chamber in which a control element (51) interacts with a valve seat. At least two bimetallic plates (52,53) are arranged in the housing for temperature-dependent actuation of the control element, the control element has an associated second valve seat and the bimetallic plates are arranged between the valve seats (24,25).

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IPC 8 full level

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CPC (source: EP)

F02M 37/0035 (2013.01); **F02M 37/0052** (2013.01)

Citation (search report)

- [AD] DE 3427396 A1 19860130 - HELPHOS GMBH [DE]
- [A] DE 4435626 A1 19960411 - KNECHT FILTERWERKE GMBH [DE]

Cited by

EP1754881A3; DE102009043072A1; DE10322197B4; EP2402586A4; EP2765302A1; CN103967669A; US7971849B2

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