

Title (en)
ELECTROMAGNETIC REGULATING DEVICE

Title (de)
ELEKTROMAGNETISCHE STELLEINRICHTUNG

Title (fr)
SYSTEME DE REGULATION ELECTROMAGNETIQUE

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Application
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Abstract (en)
[origin: US2004178377A1] The invention relates to an electromagnetic regulating device (1) for a hydraulic control valve, comprising a housing (14, 15, 32) which comprises an electromagnet rotor arranged in a pressure pipe (2). Additionally, a distance measuring system (6) which detects the lift of the rotor is provided. Said pressure pipe (2) comprises a central thread (3) on one end thereof for securing onto the control valve and is made of a rotor conduit (7) and a sensor pipe which is connect thereto in a tight and secure manner. Said rotor conduit (7) lifts the rotor and supports a magnetic coil (5). Said sensor pipe (8) comprises a sensor coil (21) for detecting the way. Securing means are also provided for components which are semi-mounted on the pressure pipe (2). In the area at the end of the rotor conduit (7) orientated towards the sensor pipes (7), a collar (13) for holding the components arranged on the rotor conduit is provided and is firmly secured to said rotor conduit (7), rising above said conduit.

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