Title (en)

HYDRAULIC VALVE ARRANGEMENT

Title (de)

HYDRAULISCHE VENTILANORDNUNG

Title (fr)

AGENCEMENT DE SOUPAPE HYDRAULIQUE

Publication

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Application

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Abstract (en)

[origin: US2009217983A1] The invention relates to a hydraulic valve arrangement which is used, in particular, for a mobile machine and which has a valve housing (10) having a feed channel (34), having an outlet channel (42) and having a consumer channel (39) and has a valve bore (11) which cuts into the channels. In the valve bore (11), a valve slide (12) can be moved axially from a neutral position in at least one direction into a working position, by way of which valve slide (12) the fluidic connections between the channels can be controlled. Moreover, there is a pressure-relief and feed valve (45, 47), by way of which the pressure in the consumer channel (39) can be limited by throttled discharge of pressure fluid into the outlet channel (42) and pressure fluid can be fed from the outlet channel (42) into the consumer channel (39). The invention is based on the object of designing a hydraulic valve arrangement of this type in such a way that low manufacturing costs and a small overall size are possible. According to the invention, the object which is aimed at is achieved by the pressure-relief and feed valve (45, 47) being accommodated in a hollow space of the valve slide (12).

IPC 8 full level

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