

Title (en)

Assembly with a control valve device with a float position

Title (de)

Anordnung mit einer Steuerventileinrichtung mit einer Schwimmstellung

Title (fr)

Assemblage avec un dispositif de vanne de commande à position flottante

Publication

EP 2910796 B1 20180404 (DE)

Application

EP 15153740 A 20150204

Priority

DE 102014102336 A 20140224

Abstract (en)

[origin: CN104863913A] The invention relates to a control valve device used for controlling a double-acting hydraulic pressure cylinder of a mobile operation machine. The control valve device includes a control valve connected to a conveying pipeline, a container pipeline, an ascending pipeline and a descending pipeline of a pump. The control valve has a middle position, an ascending position and a descending position. The control valve device has a floating position. When the control valve is moved to the descending position, the ascending pipeline is connected with the container pipeline and the pump is connected with a descending side and switching meets failure. A release valve is arranged, so that the descending side can bypass the control valve to connect with the container and the descending side can be connected with the container in the floating position. When the control valve moves to the ascending position during ascending operation, the conveying pipeline is connected with the ascending pipeline and the descending side is enabled to connect with the container by the aid of the release valve during ascending operation, so that the descending pipeline is connected with the container through the release valve and pressure medium flow from the descending side flows to the container via the release valve.

IPC 8 full level

F15B 11/024 (2006.01)

CPC (source: CN EP)

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Cited by

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