

Title (en)

Valve assembly for a hydraulic control system

Title (de)

Ventilanordnung für ein hydraulisches Steuerungssystem

Title (fr)

Agencement de soupapes pour un système de commande hydraulique

Publication

EP 2541071 B1 20201111 (DE)

Application

EP 12004137 A 20120529

Priority

- DE 102011106081 A 20110630
- CH 13932011 A 20110825

Abstract (en)

[origin: EP2541071A2] The arrangement has a pressure connection (P) connected with a pressure supply, and a tank connection (T) connected with a return pipe. Two load connections (A, B) are connected with hydraulic loads (11), and separate valves (1-4) e.g. 3/3-way valves, control the connection of the load connections with the pressure connection and the tank connection. Another separate valve e.g. 2/2-way valve, connects the pressure and tank connections. The separate valve is closed when the connection between one of the load connections and the pressure connection is opened. The hydraulic loads are formed as hydraulic cylinder or hydraulic motor. An independent claim is also included for a method for operating a hydraulic system.

IPC 8 full level

F15B 11/00 (2006.01)

CPC (source: EP)

F15B 11/006 (2013.01); **F15B 2211/20592** (2013.01); **F15B 2211/30575** (2013.01); **F15B 2211/413** (2013.01); **F15B 2211/41563** (2013.01); **F15B 2211/45** (2013.01); **F15B 2211/7053** (2013.01)

Citation (examination)

- DE 10296739 B4 20080508 - HUSCO INT INC [US]
- DE 19500749 A1 19960718 - DANFOSS AS [DK]

Cited by

CN105987036A; US2023142326A1

Designated contracting state (EPC)

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EP 2541071 A2 20130102; EP 2541071 A3 20161207; EP 2541071 B1 20201111

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