

Title (en)

Electro-hydraulic control circuit and method of its deactivation

Title (de)

Elektrohydraulische Steuervorrichtung und Verfahren zu ihrer Abschaltung

Title (fr)

Commande électro-hydraulique et méthode de sa déactivation

Publication

**EP 1574720 B1 20090311 (DE)**

Application

**EP 04026604 A 20041109**

Priority

DE 202004003749 U 20040310

Abstract (en)

[origin: US2005199295A1] A electrohydraulic control device H for the direction control of a hydro-motor, particularly for working pressures u to more than about 450 bar in a portable working device, comprises working lines A, B and a pressure line P and a respective load holding valve LA, LB in each working line A, B which load holding valve is switched from a load holding position for the respective working line to open to a return system R when a main directional solenoid seat valve VA, VB is in a switching position connecting the pressure source P with the respective other working line, and a circulation switching assembly U effective between the pressure source P and the return system R when the working lines A, B are separated from the pressure source P contains as the respective load holding valve LA, LB a 2/2-directional solenoid seat valve which selectively and electrically is switched open towards the return system R for, by intention, relieving the working pressure from the associated working line A, B.

IPC 8 full level

**F15B 11/00** (2006.01); **B60T 13/74** (2006.01); **F15B 11/02** (2006.01); **F15B 13/04** (2006.01); **F15B 13/044** (2006.01)

CPC (source: EP US)

**F15B 11/003** (2013.01 - EP US); **F15B 11/006** (2013.01 - EP US); **F15B 2211/30505** (2013.01 - EP US); **F15B 2211/30515** (2013.01 - EP US); **F15B 2211/3057** (2013.01 - EP US); **F15B 2211/3111** (2013.01 - EP US); **F15B 2211/31529** (2013.01 - EP US); **F15B 2211/327** (2013.01 - EP US); **F15B 2211/45** (2013.01 - EP US); **F15B 2211/46** (2013.01 - EP US); **F15B 2211/6054** (2013.01 - EP US); **Y10T 137/86622** (2015.04 - EP US); **Y10T 137/87209** (2015.04 - EP US); **Y10T 137/87217** (2015.04 - EP US)

Cited by

EP2241762A1; EP2151586A2

Designated contracting state (EPC)

AT CH DE FR IT LI

DOCDB simple family (publication)

**US 2005199295 A1 20050915**; **US 7320335 B2 20080122**; AT E425370 T1 20090315; DE 202004003749 U1 20050728; DE 502004009132 D1 20090423; EP 1574720 A1 20050914; EP 1574720 B1 20090311

DOCDB simple family (application)

**US 6205105 A 20050218**; AT 04026604 T 20041109; DE 202004003749 U 20040310; DE 502004009132 T 20041109; EP 04026604 A 20041109