

Title (en)
HYDRAULIC CONTROL DEVICE

Title (de)
HYDRAULISCHE STEUERVORRICHTUNG

Title (fr)
DISPOSITIF HYDRAULIQUE DE COMMANDE

Publication
EP 1954949 B1 20100210 (DE)

Application
EP 06818465 A 20061110

Priority
• EP 2006010793 W 20061110
• DE 102005055309 A 20051121

Abstract (en)
[origin: WO2007057126A1] A hydraulic control device according to the invention is of load-sensing design and serves to actuate a first hydraulic load and a second hydraulic load. Also provided are a first control valve for actuating the first hydraulic load and a second control valve for actuating the second hydraulic load. A first load signal can be measured on the basis of a load pressure with which the first hydraulic load is acted on, and a second load signal can be measured on the basis of a load pressure with which the second hydraulic load is acted on. Pressure medium from a pressure medium source can be supplied in parallel to the first control valve and to the second control valve. A load signal path can, in order to actuate an adjusting element which is assigned to the pressure medium source, be acted on with a highest presently measured load signal. A limiting device allows the second load signal to be limited to a predefined signal limit value. A switching means can be actuated by means of the second load signal such that, at the latest when the second load signal reaches the signal limit value, the signal conveyed on the load signal path is limited by the limiting device.

IPC 8 full level
F15B 11/16 (2006.01); **F15B 11/028** (2006.01)

CPC (source: EP US)
F15B 11/028 (2013.01 - EP US); **F15B 11/05** (2013.01 - EP US); **F15B 11/165** (2013.01 - EP US); **F15B 11/168** (2013.01 - EP US); **F15B 2211/20546** (2013.01 - EP US); **F15B 2211/253** (2013.01 - EP US); **F15B 2211/30535** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/55** (2013.01 - EP US); **F15B 2211/6054** (2013.01 - EP US); **F15B 2211/651** (2013.01 - EP US); **F15B 2211/654** (2013.01 - EP US); **F15B 2211/7052** (2013.01 - EP US); **F15B 2211/7053** (2013.01 - EP US); **F15B 2211/7135** (2013.01 - EP US); **F15B 2211/76** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 102005055309 A1 20070524; DE 502006006129 D1 20100325; EP 1954949 A1 20080813; EP 1954949 B1 20100210; US 2009064673 A1 20090312; US 8006490 B2 20110830; WO 2007057126 A1 20070524

DOCDB simple family (application)
DE 102005055309 A 20051121; DE 502006006129 T 20061110; EP 06818465 A 20061110; EP 2006010793 W 20061110; US 9417806 A 20061110