

Title (en)

Hydraulic control arrangement for supplying pressurised fluid preferably to several hydraulic loads

Title (de)

Hydraulische Steueranordnung zur Druckmittelversorgung von vorzugsweise mehreren hydraulischen Verbrauchern

Title (fr)

Agencement de contrôle hydraulique pour alimenter en fluide sous pression de préférence plusieurs utilisateurs hydrauliques

Publication

EP 1170510 B1 20050817 (DE)

Application

EP 01110563 A 20010430

Priority

- DE 10033372 A 20000708
- DE 10035575 A 20000721

Abstract (en)

[origin: EP1170510A2] Hydraulic control arrangement for supplying pressure medium to preferably several hydraulic consumers (22, 23) comprises valve devices (70) via which the pressure medium is fed from the inlet line (41) into a section (42) of the outlet line (43) when the pressure in this section falls below the initial stressing pressure. Preferred Features: The valve devices comprise a two-way feed valve in addition to the servo valve (60). The feed valve is a two-way pressure-reducing valve set at a pressure which is lower, preferably about 2 bar lower, than the initial stressing pressure.

IPC 1-7

F15B 11/16; F15B 21/04

IPC 8 full level

F15B 11/16 (2006.01); **F15B 21/047** (2019.01)

CPC (source: EP)

F15B 11/165 (2013.01); **F15B 21/047** (2013.01); **F15B 2211/20553** (2013.01); **F15B 2211/253** (2013.01); **F15B 2211/30535** (2013.01); **F15B 2211/3111** (2013.01); **F15B 2211/3144** (2013.01); **F15B 2211/31576** (2013.01); **F15B 2211/329** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/513** (2013.01); **F15B 2211/5157** (2013.01); **F15B 2211/5159** (2013.01); **F15B 2211/528** (2013.01); **F15B 2211/6054** (2013.01); **F15B 2211/615** (2013.01); **F15B 2211/6355** (2013.01); **F15B 2211/65** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/71** (2013.01)

Cited by

DE102013220750A1; CN104564866A; EP2441966A1; EP2441967A1; DE102015203404A1; US9874884B2; US8443827B2; US8499552B2; US8281583B2; US8671824B2; WO2008083772A1; WO2007121873A1; US11841716B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1170510 A2 20020109; **EP 1170510 A3 20031029**; **EP 1170510 B1 20050817**; AT E302345 T1 20050915; ES 2244517 T3 20051216

DOCDB simple family (application)

EP 01110563 A 20010430; AT 01110563 T 20010430; ES 01110563 T 20010430