

Title (en)
HYDRAULIC VALVE DEVICE

Title (de)
HYDRAULISCHE VENTILVORRICHTUNG

Title (fr)
DISPOSITIF À SOUPAPE HYDRAULIQUE

Publication
EP 2640979 A1 20130925 (DE)

Application
EP 11779587 A 20111105

Priority
• DE 102010051690 A 20101117
• EP 2011005574 W 20111105

Abstract (en)
[origin: WO2012065692A1] The invention relates to a hydraulic valve device (1) having a fluid connection arrangement (3) extending at least partially in a valve housing (2) and containing connections such as a pressure medium supply connection (P), a return connection (R), a load-sensing connection (LS), two control connections (?A, P'B), two useful connections (A, B), and having a valve element (4) which is movable in the valve housing (2) for controlling the connections of the fluid connection arrangement (3), wherein the valve element (4) can be supplied on two control sides (5, 6) lying opposite one another on the valve element (4) with a control pressure on each of the control connections (?A, P'B), characterised in that a return pressure balance (7) is disposed in the valve element (4) for the pressure-independent control of the volumetric flow from one of the useful connections (A, B) to the return connection (R).

IPC 8 full level
F15B 13/04 (2006.01)

CPC (source: EP)
F15B 13/0418 (2013.01); **F15B 2211/353** (2013.01)

Citation (search report)
See references of WO 2012065692A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102010051690 A1 20120524; EP 2640979 A1 20130925; WO 2012065692 A1 20120524

DOCDB simple family (application)
DE 102010051690 A 20101117; EP 11779587 A 20111105; EP 2011005574 W 20111105