

Title (en)

VALVE ARRANGEMENT HAVING INDIVIDUAL PRESSURE SCALE AND LOAD-LOWERING VALVE

Title (de)

VENTILANORDNUNG MIT INDIVIDUALDRUCKWAAGE UND SENKBREMSVENTIL

Title (fr)

AGENCEMENT DE SOUPAPE AVEC UN MANOMETRE A PISTON INDIVIDUEL ET UNE SOUPAPE DE FREIN D'ABAISSMENT

Publication

**EP 2153072 B1 20111012 (DE)**

Application

**EP 08717843 A 20080314**

Priority

- EP 2008053102 W 20080314
- DE 102007020558 A 20070502

Abstract (en)

[origin: US2010139476A1] The invention discloses a valve arrangement for supplying pressure medium to a hydraulic load (2) having a directional valve (8), which has an inflow measuring diaphragm (10, 12) and a directional part (14, 16) flowing in the flow direction. The directional valve is associated with an individual pressure scale (18). In a return from the load, a load-lowering valve (44, 46) is provided, to which a pilot pressure is applied in the opening direction. According to the invention, said pilot pressure is tapped in channel between the pressure scale and the directional part.

IPC 8 full level

**F15B 11/044** (2006.01); **F15B 11/05** (2006.01); **F15B 13/04** (2006.01)

CPC (source: EP KR US)

**F15B 11/003** (2013.01 - EP US); **F15B 11/044** (2013.01 - KR); **F15B 11/0445** (2013.01 - EP US); **F15B 11/05** (2013.01 - EP KR US); **F15B 13/04** (2013.01 - KR); **F15B 13/0417** (2013.01 - EP US); **F15B 2211/20553** (2013.01 - EP US); **F15B 2211/253** (2013.01 - EP US); **F15B 2211/30555** (2013.01 - EP US); **F15B 2211/351** (2013.01 - EP US); **F15B 2211/50545** (2013.01 - EP US); **F15B 2211/5059** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2010139476 A1 20100610**; **US 8516944 B2 20130827**; AT E528513 T1 20111015; DE 102007020558 A1 20081106; EP 2153072 A1 20100217; EP 2153072 B1 20111012; JP 2010525274 A 20100722; JP 4981169 B2 20120718; KR 20100029074 A 20100315; WO 2008135303 A1 20081113

DOCDB simple family (application)

**US 59808308 A 20080314**; AT 08717843 T 20080314; DE 102007020558 A 20070502; EP 08717843 A 20080314; EP 2008053102 W 20080314; JP 2010504596 A 20080314; KR 20097022887 A 20080314