

Title (en)

Load sensing valve assembly with pressure control

Title (de)

Load-Sensing-Ventilbaugruppe mit Drucksteuerung

Title (fr)

Composant de soupape à détection de charge avec commande à pression

Publication

**EP 2620656 A3 20170329 (DE)**

Application

**EP 13150235 A 20130104**

Priority

DE 102012001549 A 20120126

Abstract (en)

[origin: EP2620656A2] The valve assembly (10) has two load connections (A,B) for connecting a hydraulic load (11) and a pump connection (P) for connecting a pump (13). A pressure maintenance valve (22) is connected to the pump connection, so that it results a pressure (41) between the metering orifice and the pressure maintenance valve. The metering orifice is connected to a damping throttle (21) in series, so that another pressure (42) results between a metering orifice (20) and the damping throttle. The latter pressure is connected to a pressure limit valve (32), whose release pressure is adjustable.

IPC 8 full level

**F15B 11/05** (2006.01)

CPC (source: EP)

**F15B 11/055** (2013.01); **F15B 2211/20546** (2013.01); **F15B 2211/253** (2013.01); **F15B 2211/30535** (2013.01); **F15B 2211/50518** (2013.01); **F15B 2211/5159** (2013.01); **F15B 2211/6051** (2013.01); **F15B 2211/6054** (2013.01); **F15B 2211/6055** (2013.01); **F15B 2211/654** (2013.01)

Citation (search report)

- [A] DE 19715020 A1 19981015 - REXROTH MANNESMANN GMBH [DE]
- [A] DE 3709504 A1 19881006 - REXROTH MANNESMANN GMBH [DE]
- [X] MANNESMANN REXROTH: "HIGH PRESSURE LOAD-SENSING CONTROL BLOCK TYPE M4-15, SERIES 1X IN ASANDWICH PLATE DESIGN", MANNESMANN REXROTH RE 64 282/01.97, XX, XX, 1 January 1997 (1997-01-01), pages 1 - 20, XP001027942

Cited by

CN105443475A; FR3054008A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2620656 A2 20130731**; **EP 2620656 A3 20170329**; **EP 2620656 B1 20181226**; BR 102013001832 A2 20160223; DE 102012001549 A1 20130801

DOCDB simple family (application)

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