

Title (en)
VALVE SYSTEM

Title (de)
VENTILANORDNUNG

Title (fr)
SYSTÈME DE VANNE

Publication
EP 2488764 B1 20160608 (DE)

Application
EP 10768695 A 20101014

Priority
• DE 102009049548 A 20091016
• EP 2010006289 W 20101014

Abstract (en)
[origin: WO2011045063A1] The invention relates to a valve assembly for regulating the pressure of a pressure medium (2) of a pressure medium pump (3) to at least one first consumer (4), comprising a pilot-controlled pressure control valve (5), a main piston (6) acted on by the pressure medium (2), and a pilot piston (7), wherein a pressure chamber (8) between a piston back side (9) of the main piston (6) and the pilot piston (7) can be relieved, is characterized in that a relief valve (10) is connected in a fluid-conducting manner to the pressure chamber (8), which valve opens when pressure medium pressure is present at the load sensor (LS), which represents an out-of-operation mode of the consumer (4), and recirculates pressure medium (2) having a low pressure to a pressure medium reservoir (11) or to the pressure medium pump (3), and the relief valve (10) closes, when the pressure medium pressure at the load sensor (LS) represents an in-operation mode of the consumer (4).

IPC 8 full level
F15B 11/05 (2006.01)

CPC (source: EP US)
F15B 11/05 (2013.01 - EP US); **F15B 2211/40515** (2013.01 - EP US); **F15B 2211/455** (2013.01 - EP US); **F15B 2211/46** (2013.01 - EP US); **F15B 2211/50536** (2013.01 - EP US); **F15B 2211/50572** (2013.01 - EP US); **Y10T 137/86582** (2015.04 - EP US); **Y10T 137/87193** (2015.04 - EP US)

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)
WO 2011045063 A1 20110421; DE 102009049548 A1 20110421; EP 2488764 A1 20120822; EP 2488764 B1 20160608; US 2012199765 A1 20120809; US 8973609 B2 20150310

DOCDB simple family (application)
EP 2010006289 W 20101014; DE 102009049548 A 20091016; EP 10768695 A 20101014; US 201013261264 A 20101014