

Title (en)
CONTROL ARRANGEMENT FOR CONTROLLING A CONTROL VALVE

Title (de)
STEUERANORDNUNG ZUR ANSTEUERUNG EINES WEGEVENTILS

Title (fr)
SYSTÈME DE COMMANDE DESTINÉ À COMMANDER UN DISTRIBUTEUR À PLUSIEURS VOIES

Publication
EP 2268927 A1 20110105 (DE)

Application
EP 09732854 A 20090408

Priority
• EP 2009002595 W 20090408
• DE 102008018936 A 20080415

Abstract (en)
[origin: WO2009127349A1] The invention relates to a control arrangement with a pilot aggregate (6) for controlling a control valve (2) comprising a first and a second control chamber (36, 38). The first control chamber (36) is provided for adjusting the control valve (2) in one direction and the second control chamber (38) for adjusting the control valve in the opposite direction. The control chambers (36, 38) are applied each with a pilot pressure of the pilot aggregate (6). Besides the pilot aggregate (5), the control arrangement further comprises a pilot valve (4) for applying a control chamber (36, 38) with an outlet pressure. The supply pressure of the pilot valve (4) is hereby the pilot pressure of the pilot aggregate (6) effective in one of the control chambers (36, 38) and the output pressure of the pilot valve (4) is effective in the other control chamber (36, 38), wherein the output pressure is equal or smaller than the pilot pressure.

IPC 8 full level
F15B 13/042 (2006.01); **F15B 13/043** (2006.01); **F15B 20/00** (2006.01); **F15B 21/08** (2006.01)

CPC (source: EP US)
F15B 13/0422 (2013.01 - EP US); **F15B 13/0433** (2013.01 - EP US); **F15B 20/008** (2013.01 - EP US); **F15B 21/08** (2013.01 - EP US); **F15B 2211/30525** (2013.01 - EP US); **F15B 2211/3144** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/355** (2013.01 - EP US); **F15B 2211/63** (2013.01 - EP US); **F15B 2211/8755** (2013.01 - EP US); **Y10T 137/7762** (2015.04 - EP US)

Citation (search report)
See references of WO 2009127349A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008018936 A1 20091022; EP 2268927 A1 20110105; JP 2011517754 A 20110616; KR 20110030420 A 20110323; US 2011030816 A1 20110210; WO 2009127349 A1 20091022

DOCDB simple family (application)
DE 102008018936 A 20080415; EP 09732854 A 20090408; EP 2009002595 W 20090408; JP 2011504352 A 20090408; KR 20107022946 A 20090408; US 93636609 A 20090408