

Title (en)  
HYDRAULIC OR PNEUMATIC DRIVE FOR ACTUATING A FITTING COMPRISING A CONTROL VALVE OR SELECTOR VALVE

Title (de)  
HYDRAULISCHER ODER PNEUMATISCHER ANTRIEB ZUR BETÄTIGUNG EINER ARMATUR MIT EINEM REGEL- ODER SCHALTVENTIL

Title (fr)  
ENTRAÎNEMENT HYDRAULIQUE OU PNEUMATIQUE POUR L'ACTIONNEMENT D'UN APPAREIL DE ROBINETTERIE COMPORTANT UNE SOUPAPE DE RÉGLAGE OU DE COMMANDE

Publication  
**EP 2638297 A1 20130918 (DE)**

Application  
**EP 11782040 A 20111020**

Priority  
• DE 102011103222 A 20110601  
• DE 102010060432 A 20101108  
• EP 2011005278 W 20111020

Abstract (en)  
[origin: WO2012062404A1] The invention relates to two variants of a safety circuit for valves actuated hydraulically via a positioning cylinder. In the first variant, the positioning cylinder (2, 202) can be hydraulically or pneumatically depressurized in an emergency. For this purpose, the positioning cylinder has two cylinder chambers (4, 204) which can be fluidically connected via a working line (8a-f, 108a-f, 408a-i). A first and a second series-connected shut-off valve (12, 14) are provided in the working line. According to the second variant, the positioning cylinder can be hydraulically or pneumatically actuated in an emergency. For this purpose, the positioning cylinder has at least one first cylinder chamber, which in an emergency can be supplied with pressurised fluid via a first pressure medium flow path. A first and a second series-connected shut-off valve are provided in the first pressure medium flow path.

IPC 8 full level  
**F15B 20/00** (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP KR US)  
**F15B 11/00** (2013.01 - KR); **F15B 15/20** (2013.01 - US); **F15B 20/00** (2013.01 - KR); **F15B 20/008** (2013.01 - EP US); **F15B 13/0405** (2013.01 - US); **F15B 2211/315** (2013.01 - EP US); **F15B 2211/329** (2013.01 - EP US); **F15B 2211/7054** (2013.01 - EP US); **F15B 2211/8636** (2013.01 - EP US); **F15B 2211/8757** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012062404A1

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 102011116472 A1 20120510**; CN 103370546 A 20131023; CN 103370546 B 20180626; EP 2638297 A1 20130918; EP 2638297 B1 20151230; JP 2013543957 A 20131209; JP 5710015 B2 20150430; KR 101901121 B1 20180927; KR 20140021987 A 20140221; US 2014026747 A1 20140130; US 9528534 B2 20161227; WO 2012062404 A1 20120518

DOCDB simple family (application)  
**DE 102011116472 A 20111020**; CN 201180053576 A 20111020; EP 11782040 A 20111020; EP 2011005278 W 20111020; JP 2013538087 A 20111020; KR 20137011790 A 20111020; US 201113884234 A 20111020