

Title (en)  
PNEUMATIC SAFETY VALVE DEVICE

Title (de)  
PNEUMATISCHE SICHERHEITSVENTILEINRICHTUNG

Title (fr)  
ENSEMBLE SOUPAPE DE SÉCURITÉ PNEUMATIQUE

Publication  
**EP 2438310 A1 20120411 (DE)**

Application  
**EP 10739518 A 20100721**

Priority  
• EP 2010004454 W 20100721  
• DE 102009037120 A 20090811

Abstract (en)  
[origin: WO2011018152A1] The invention relates to a control valve device (1), comprising two main valves (HV1, HV2), each of which can be actuated by a pilot valve (VV1, VV2) so that they can be switched into a working position in which they cause a pneumatic pressure to be present at two main outlets (17, 18). The structural design of the safety valve device (1) causes a switching of the main valves (HV1, HV2) into a working position only if the two pilot valves (VV1, VV2) are actuated substantially synchronously. If, as a result of asynchronous actuation, only one of the main valves is switched into the working position, this error status remains stored until a reset takes place by way of a restoring valve device (RV).

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

CPC (source: EP)  
**F15B 20/001** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/8643** (2013.01); **F15B 2211/875** (2013.01)

Citation (search report)  
See references of WO 2011018152A1

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 SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009037120 A1 20110217**; **DE 102009037120 B4 20121206**; EP 2438310 A1 20120411; EP 2438310 B1 20120919;  
WO 2011018152 A1 20110217

DOCDB simple family (application)  
**DE 102009037120 A 20090811**; EP 10739518 A 20100721; EP 2010004454 W 20100721