

Title (en)  
VALVE DEVICE

Title (de)  
VENTILEINRICHTUNG

Title (fr)  
DISPOSITIF À SOUPAPES

Publication  
**EP 2399036 A1 20111228 (DE)**

Application  
**EP 10706941 A 20100226**

Priority  
• EP 2010001183 W 20100226  
• DE 102009017861 A 20090417

Abstract (en)  
[origin: WO2010118797A1] The invention relates to a valve device for the fluid supply of fluid consumers, comprising several valve modules (2) arranged next to each other in the direction of stacking (3). Said valve modules (2) respectively comprise a plate-shaped channel body (11) provided with a feed channel recess (35) and/or a venting channel recess (36) and four 2/2 distributing valves (41, 42, 45, 46) respectively having a first and a second fluidic connection (47, 48, 49, 50, 51, 52, 55, 56). The four 2/2 distributing valves (41, 42, 45, 46) of the valve module (2) are interconnected in a full bridge arrangement. According to the invention, an additional module (6, 7), which is arranged on the connection surface of the channel body, is connected so it communicates with one or both working channels (21, 22) and is designed to control a fluid flow and/or for determining a parameter of the fluid flow from or to the working channel (21, 22).

IPC 8 full level  
**F15B 11/00** (2006.01); **F15B 13/08** (2006.01)

CPC (source: EP US)  
**F15B 11/006** (2013.01 - EP US); **F15B 13/0839** (2013.01 - EP US); **Y10T 137/5283** (2015.04 - EP US); **Y10T 137/86493** (2015.04 - EP US); **Y10T 137/87217** (2015.04 - EP US); **Y10T 137/87885** (2015.04 - EP US)

Citation (search report)  
See references of WO 2010118797A1

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 SM TR

DOCDB simple family (publication)  
**DE 102009017861 A1 20101021**; CN 102395799 A 20120328; CN 102395799 B 20140813; EP 2399036 A1 20111228; EP 2399036 B1 20130403; JP 2012524215 A 20121011; US 2012037250 A1 20120216; US 8689833 B2 20140408; WO 2010118797 A1 20101021

DOCDB simple family (application)  
**DE 102009017861 A 20090417**; CN 201080017189 A 20100226; EP 10706941 A 20100226; EP 2010001183 W 20100226; JP 2012505063 A 20100226; US 201013264124 A 20100226