

Title (en)
VALVE APPARATUS

Title (de)
VENTILEINRICHTUNG

Title (fr)
ENSEMBLE DE SOUPAPE

Publication
EP 2047112 A1 20090415 (DE)

Application
EP 07846520 A 20071030

Priority
• EP 2007009421 W 20071030
• DE 102006056089 A 20061128

Abstract (en)
[origin: US8082943B2] A valve means (1) comprises a valve support (2) with internal valve support ducts (15). Several component mounting sites (12) are located on the valve support (2) to be individually fitted with control units (3), at least one special purpose control unit (3b) being present, which with an intermediate plate (24) simultaneously covers over several adjacently placed component mounting sites (12). At least one control valve (4) of the special purpose control unit (3b) is connected with the valve support ducts (15) opening at the covered component mounting sites (12) via an intermediate plate duct arrangement (28) running in the intermediate plate (24).

IPC 8 full level
F15B 13/08 (2006.01)

CPC (source: EP US)
F15B 13/081 (2013.01 - EP US); **F15B 13/0814** (2013.01 - EP US); **F15B 13/0817** (2013.01 - EP US); **F15B 13/0871** (2013.01 - EP US); **F15B 13/0896** (2013.01 - EP US); **Y10T 137/5283** (2015.04 - EP US); **Y10T 137/87249** (2015.04 - EP US); **Y10T 137/87885** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2009205724 A1 20090820; **US 8082943 B2 20111227**; AT E467770 T1 20100515; CN 101542135 A 20090923; CN 101542135 B 20120208; DE 102006056089 A1 20080529; DE 502007003771 D1 20100624; EP 2047112 A1 20090415; EP 2047112 B1 20100512; WO 2008064755 A1 20080605

DOCDB simple family (application)
US 31086607 A 20071030; AT 07846520 T 20071030; CN 200780044362 A 20071030; DE 102006056089 A 20061128; DE 502007003771 T 20071030; EP 07846520 A 20071030; EP 2007009421 W 20071030