

Title (en)
Kit for making valve arrays

Title (de)
Ventilbaukasten zur Herstellung von Ventilbatterien

Title (fr)
Kit pour fabriquer des batteries de soupape

Publication
EP 1801425 A1 20070627 (DE)

Application
EP 05028026 A 20051221

Priority
EP 05028026 A 20051221

Abstract (en)
The kit (20) includes plate like valve (2) arranged in row direction (3) at right angles to principal plate plane (15) which has core module (4) having multiple valve ducts (14) extending at right angles to respective principal plate plane. A valve encasing element (27) separates from core module fixed by mutually matching an electrical interface (26) such that selected combination of core module with encasing elements of different type valves are produced for different purpose.

IPC 8 full level
F15B 13/00 (2006.01)

CPC (source: EP US)
F15B 13/0821 (2013.01 - EP US); **F15B 13/0828** (2013.01 - EP US); **F15B 13/0839** (2013.01 - EP US); **F15B 13/0857** (2013.01 - EP US); **F15B 13/0867** (2013.01 - EP US); **F15B 13/0875** (2013.01 - EP US); **Y10T 137/5109** (2015.04 - EP US); **Y10T 137/5283** (2015.04 - EP US); **Y10T 137/87885** (2015.04 - EP US)

Citation (applicant)
• EP 0678676 B1 19990107 - FESTO AG & CO [DE]
• DE 3917242 A1 19901004 - ANTRIEBS STEUERUNGSTECH GES [DE]
• DE 19508011 C2 19970612 - AISIN SEIKI [JP]

Citation (search report)
• [A] US 6138717 A 20001031 - MEYER ERNST-AUGUST [DE]
• [A] US 5666994 A 19970916 - STOLL KURT [DE], et al
• [A] US 2001009165 A1 20010726 - NOTZ FRANK [DE], et al
• [A] US 2005236054 A1 20051027 - MIYAZOE SHINJI [JP], et al

Cited by
WO2010003593A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1801425 A1 20070627; **EP 1801425 B1 20080402**; AT E391239 T1 20080415; CA 2568879 A1 20070621; CA 2568879 C 20130924; CN 1987127 A 20070627; CN 1987127 B 20121114; DE 502005003589 D1 20080515; JP 2007170669 A 20070705; JP 4959319 B2 20120620; US 2007137708 A1 20070621; US 7607452 B2 20091027

DOCDB simple family (application)
EP 05028026 A 20051221; AT 05028026 T 20051221; CA 2568879 A 20061124; CN 200610172453 A 20061221; DE 502005003589 T 20051221; JP 2006344444 A 20061221; US 60507506 A 20061128