

Title (en)
Pressure control valve

Title (de)
Druckregelventil

Title (fr)
Soupape de réglage de pression

Publication
EP 2216519 A3 20110504 (DE)

Application
EP 09176266 A 20091118

Priority
DE 102008061753 A 20081212

Abstract (en)
[origin: EP2216519A2] The valve has a valve housing (11) comprising a housing lower part and a housing cover (13). A diaphragm valve body is clamped in a groove between the cover and the lower part in a sealing manner. The valve body divides the housing into a valve chamber (29) and a ventilation chamber that is connected with the atmosphere over a ventilation channel. A diaphragm (14) has a valve plate (19) that is attached to a valve seat, and a pressure spring (25) is supported at a base of the lower part. A flow deflection device (27) is connected with the valve plate in a detachable or non-detachable manner.

IPC 8 full level
F01M 13/00 (2006.01)

CPC (source: EP)
F01M 13/0011 (2013.01); **F01M 2013/0016** (2013.01)

Citation (search report)

- [XD] DE 4022129 A1 19920116 - MANN & HUMMEL FILTER [DE]
- [X] DE 10236783 A1 20040304 - MANN & HUMMEL GMBH [DE]
- [X] DE 102006059008 A1 20080619 - BOSCH GMBH ROBERT [DE]
- [X] DE 102005052340 A1 20070412 - HYUNDAI MOTOR CO LTD [KR]
- [X] DE 4416119 A1 19951109 - KNECHT FILTERWERKE GMBH [DE]
- [X] DE 202006001287 U1 20070606 - MANN & HUMMEL GMBH [DE]
- [A] JP H11200832 A 19990727 - ISEKI AGRICULT MACH

Cited by
CN104632319A; US10787942B2; WO2022009750A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008061753 A1 20100624; EP 2216519 A2 20100811; EP 2216519 A3 20110504

DOCDB simple family (application)
DE 102008061753 A 20081212; EP 09176266 A 20091118