

Title (en)
VALVE APPARATUS FOR INFLUENCING A FLOW OF MEDIUM

Title (de)
VENTILVORRICHTUNG ZUM BEEINFLUSSEN EINES MEDIENSTROMES

Title (fr)
DISPOSITIF SOUPAPE SERVANT À INFLUENCER UN FLUX DE FLUIDE

Publication
EP 3475585 B1 20200819 (DE)

Application
EP 17732747 A 20170616

Priority

- DE 102016007754 A 20160624
- EP 2017000700 W 20170616

Abstract (en)
[origin: WO2017220193A1] A valve apparatus for influencing a flow of medium between a supply port (38) and a pressure port (40), having a valve device (10) which, in at least one closed position, blocks the connection between the supply port (38) and the pressure port (40) and which opens this connection in at least one opened position, in which the pressure port (40) is connected to at least one of two medium chambers (62, 80) by a respective fluid channel (64, 82), of which one (64) consists of a fluid duct (68) in the valve slider (22), is characterized in that the other fluid channel (82) has at least one further fluid duct (84) which is separate from the first fluid duct (68) and which, at least in one of the opened positions of the valve slider (22), opens at one end (92) into the medium chamber (80) and which, in every displacement position of the valve slider (22), is permanently connected at the other end (94) to the pressure port (40).

IPC 8 full level
F15B 13/02 (2006.01); **F15B 13/04** (2006.01)

CPC (source: EP US)
F15B 13/026 (2013.01 - EP US); **F15B 13/0402** (2013.01 - US); **F15B 13/0417** (2013.01 - EP US); **F15B 2013/008** (2013.01 - US)

Citation (opposition)
Opponent : **HAWE Hydraulik SE**

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- DE 102013014671 A1 20150305 - HYDAC TECHNOLOGY GMBH [DE]
- DE 60304663 T2 20060831 - SAUER DANFOSS APS [DK]
- DE 19851553 A1 19990923 - LINDE AG [DE]
- DE 6600855 U 19690123 - ESSA MASCHINENFABRIK AG VORM S [CH]
- DE 1955659 A1 19710513 - LINDE AG
- DE 1090044 B 19600929 - HER MAJESTY THE QUEEN IN THE R
- DE 1956621 A1 19700723 - KOEHRING COMPANY INC
- DE 2248891 C3 19810813
- DE 4040523 A1 19910704 - DANA CORP [US]
- DE 102004003893 A1 20040812 - LUK LAMELLEN & KUPPLUNGSBAU [DE]
- DE 2200568 A1 19720803 - KOEHRING CO
- WO 2015032492 A2 20150312 - HYDAC TECHNOLOGY GMBH [DE]
- US 2016201695 A1 20160714 - BIWERSI SASCHA ALEXANDER [DE]

Designated contracting state (EPC)
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