

Title (en)
VALVE BLOCK

Title (de)
VENTILBLOCK

Title (fr)
BLOC DE DISTRIBUTION

Publication
EP 0686239 B1 19970115 (DE)

Application
EP 94906131 A 19940203

Priority
• DE 9400102 W 19940203
• DE 4305608 A 19930224

Abstract (en)
[origin: WO9419611A1] The valve block has a base plate (1) with longitudinal channels (11 to 15) for the air inlet and discharge, working air channels (16, 17) transversely thereto, connecting channels (21 to 27) opening in a given hole pattern in the connection side (18) and a shaft (10) for an electrical installation (20). On the connection side (18) of the base plate there is at least one unit consisting of a passage valve (2) and two pre-control valves (3, 4) controlling it. The pre-control valves (3, 4) are arranged in a casing (41) secured by one fitting surface (42) to one face (43) of the passage valve (2). A socket (92) on the underside (29) of the casing (41) projects via an aperture (97) in the base plate into the shaft (19) and has projecting contact blades (93, 94) connected to terminals (95, 96) on the printed circuit board (20). To reduce assembly tolerances to the minimum, a plate-like attachment (101) projects laterally between the passage valve (2) and the base plate (1) at the lower end of the pre-control valve (3, 4) casing (41) and has through holes (102 to 107) corresponding to the hole pattern in the base plate (1).

IPC 1-7
F15B 13/00

IPC 8 full level
F15B 13/044 (2006.01); **F15B 13/00** (2006.01); **F15B 13/04** (2006.01); **F15B 13/043** (2006.01); **F15B 13/08** (2006.01); **F16K 27/00** (2006.01); **F16K 31/06** (2006.01); **F28D 19/04** (2006.01); **F28F 27/00** (2006.01)

CPC (source: EP KR US)
F15B 13/0402 (2013.01 - EP US); **F15B 13/0814** (2013.01 - EP US); **F15B 13/0828** (2013.01 - EP US); **F15B 13/0832** (2013.01 - EP US); **F15B 13/0853** (2013.01 - EP US); **F15B 13/0857** (2013.01 - EP US); **F15B 13/0875** (2013.01 - EP US); **F28F 27/00** (2013.01 - KR); **F28F 27/006** (2013.01 - EP US); **Y10T 137/86614** (2015.04 - EP US); **Y10T 137/87209** (2015.04 - EP US); **Y10T 137/87885** (2015.04 - EP US)

Cited by
DE10040559A1; DE10040559C2; WO0214697A1; US6820634B2

Designated contracting state (EPC)
CH DE ES FR GB IT LI SE

DOCDB simple family (publication)
DE 4305608 A1 19940825; DE 59401608 D1 19970227; EP 0686239 A1 19951213; EP 0686239 B1 19970115; ES 2097031 T3 19970316; JP 3612069 B2 20050119; JP H08507589 A 19960813; KR 100289025 B1 20010502; KR 960702095 A 19960328; RU 2116525 C1 19980727; US 5588465 A 19961231; WO 9419611 A1 19940901

DOCDB simple family (application)
DE 4305608 A 19930224; DE 59401608 T 19940203; DE 9400102 W 19940203; EP 94906131 A 19940203; ES 94906131 T 19940203; JP 51853294 A 19940203; KR 19950702095 A 19950525; RU 95120109 A 19940203; US 41672095 A 19950406