

Title (en)
Fire damper

Title (de)
Brandschutzklappe

Title (fr)
Clapet coupe-feu

Publication
EP 1779901 A2 20070502 (EN)

Application
EP 06460001 A 20060117

Priority
PL 37787505 A 20051027

Abstract (en)
A Fire damper composed of the body where division is self-aligning fixed against the axis division of the closing spring device (2) and releasing fuse link element (3) are placed inside the body (5) in the plane perpendicular to the axis (1) where the division is fixed on (6), and besides, there is a flexible sealing ring (11) fixed on the notch made in the circumference of the division (6) that works closely with thermal expanding gasket (12) located inside on the body wall (5) in lateral plane corresponding to the position of the division (6) in the closed position. There can also be at least two rows of lengthwise holes (13) on the body wall (5) in lateral plane corresponding to the position of the division (6) in the closed position, protecting against heat conduction along the vent duct walls. Additional feature is the fact that there are limit switches (8) and (9) placed inside the body (5), monitoring division's position (6). The nipple or sleeve make allows for easier cut off flap valve mounting in the vent or air-conditioning installation.

IPC 8 full level
A62C 2/12 (2006.01); **A62C 2/06** (2006.01); **A62C 2/24** (2006.01)

CPC (source: EP)
A62C 2/12 (2013.01); **A62C 2/242** (2013.01); **A62C 3/14** (2013.01)

Citation (applicant)
• GB 2399497 A 20040922 - RIVERMILL CONSTRUCTION [GB]
• EP 0829689 A1 19980318 - ALDES AERAILIQUE [FR]
• SE 467341 B 19920706 - BLOMDAHL MEKANISKA AB [SE]

Citation (third parties)
Third party :
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• US 4858517 A 19890822 - COKER RICK [US]
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• US 4958687 A 19900925 - NAKAGAWA KATSUYOSHI [JP]
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• DE 19857280 C1 20000831 - ROMACKER MAX [DE]
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EP2123331A1; EP2730315A1; EP2080537A1; EP2226101A1; CN103994263A; DE102010056392A1; DE102010056392B4; KR20220113618A

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 1779901 A2 20070502; **EP 1779901 A3 20100310**; **EP 1779901 B1 20150401**; PL 1779901 T3 20150831; PL 205587 B1 20100531; PL 377875 A1 20070430

DOCDB simple family (application)
EP 06460001 A 20060117; PL 06460001 T 20060117; PL 37787505 A 20051027