

Title (en)  
Valve, in particular an exhaust valve.

Title (de)  
Ventil, insbesondere Abluftventil.

Title (fr)  
Soupape, notamment soupape d'échappement d'air.

Publication  
**EP 0085375 A1 19830810 (DE)**

Application  
**EP 83100579 A 19830123**

Priority  
SE 8200487 A 19820129

Abstract (en)  
[origin: US4512356A] An exhaust air valve for placement in a ventilation conduit through which air is exhausted from a space to be ventilated. The valve has a casing with a concave seat surface facing upstream of the flow through the conduit and having a central valve orifice. A convex valve element cooperates with the seat surface and when the valve is closed engages the seat surface along a line of contact surrounding the seat. The curvature of the respective surfaces is the same, at least along the line of contact to ensure a tight closure of the orifice by the valve body. When opening, the valve body slides along the curved surface and the upstream surface of the valve body exposed to the flow is also convex to guide the flow toward the center of the orifice. Several embodiments are illustrated including valves with cords for remotely controlling the valve and heat-sensitive tripping mechanisms which automatically close the valve in the event of a rise in temperature above a preset level. The closing movement may be pivotal about a pivotal connection maintaining the valve element in sliding contact with the valve seat or may be a sliding displacement longitudinally of a slot in one of the elements.

Abstract (de)  
Abluftventil (1) im Einlauf eines Ventilationskanals (30), bestehend aus einem Gehäuse (8) mit einer Sitzfläche (9), die in Richtung des Luftdurchgangs konvergiert und die mit einem Ventilkörper (2) zusammen wirkt, der mit dem gleichen Krümmungsradius dichtend an der Ventilsitzfläche zur Regulierung des Luftdurchgangs anliegt. Sowohl die Ventilsitzfläche (9) als auch die Dichtfläche (3) des Ventilkörpers (2) sind kleiner als halbsphärisch bzw. halbzylindrisch. Der Ventilkörper (2) ist mittels eines Verankerungsorgans (7) an der Ventilsitzfläche (9) schwenkbar gelagert.

IPC 1-7  
**F24F 13/08**

IPC 8 full level  
**F24F 7/00** (2006.01); **E04B 1/70** (2006.01); **F16K 3/22** (2006.01); **F24F 13/08** (2006.01); **F24F 13/12** (2006.01)

CPC (source: EP US)  
**F24F 13/08** (2013.01 - EP US); **Y10T 137/1819** (2015.04 - EP US)

Citation (search report)  
[AD] DE 2503022 A1 19750821 - STRULIK WILHELM P

Cited by  
EP3524899A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0085375 A1 19830810; EP 0085375 B1 19860108**; AT E17398 T1 19860115; AU 1084583 A 19830804; AU 550692 B2 19860327; CA 1191420 A 19850806; DE 3361737 D1 19860220; DK 159836 B 19901210; DK 159836 C 19910506; DK 33983 A 19830730; DK 33983 D0 19830128; FI 72199 B 19861231; FI 72199 C 19870413; FI 830283 A0 19830127; FI 830283 L 19830730; IT 8260433 V0 19820728; JP S58136932 A 19830815; NO 154568 B 19860714; NO 154568 C 19861022; NO 830246 L 19830801; SE 8200487 L 19830730; US 4512356 A 19850423

DOCDB simple family (application)  
**EP 83100579 A 19830123**; AT 83100579 T 19830123; AU 1084583 A 19830128; CA 420335 A 19830127; DE 3361737 T 19830123; DK 33983 A 19830128; FI 830283 A 19830127; IT 6043382 U 19820728; JP 1162183 A 19830128; NO 830246 A 19830126; SE 8200487 A 19820129; US 46103983 A 19830126