

Title (en)
Improvements in ventilators.

Title (de)
Lüfter.

Title (fr)
Ventilateurs.

Publication
EP 0324256 A2 19890719 (EN)

Application
EP 88312092 A 19881221

Priority
• GB 8800464 A 19880109
• GB 8800574 A 19880112
• GB 8811793 A 19880518
• GB 8823596 A 19881007

Abstract (en)
A controllable fire ventilator has opening springs (13) and dual day-to-day controls one of which is a pneumatically operable piston-and-cylinder unit (20) and the other of which is an electro-magnetic device (30) which retains a keeper plate (33) when the device is energised. The unit (20) may be powered to close the ventilator when the ventilator is open, the control cable (22) carrying the keeper plate (33). Fire response may be by means of a fusible link (35). In an alternative arrangement (see Fig. 3), the electro-magnetic device (30) is incorporated into the cylinder (121) of the cylinder unit and the piston (126) carries the keeper plate (33). A fire switch (140) may open in response to an electrically signalling fire detection system, the cylinder unit (120) being exhausted to atmosphere through its power connection (122) by valve means adjustable only upon operation of a sprinkler system, to avoid ventilator opening in response to false alarms.

IPC 1-7
A62C 2/14; **F24F 13/15**

IPC 8 full level
A62C 2/24 (2006.01); **F24F 13/15** (2006.01); **A62C 2/14** (2006.01)

CPC (source: EP)
A62C 2/248 (2013.01); **F24F 13/15** (2013.01); **A62C 2/14** (2013.01); **F24F 11/34** (2017.12)

Cited by
CN111659052A; CN107740882A; EP0477068A3; FR2666839A1; FR2877687A1; FR2721052A1; EP1655445A3; GB2526480A; CN105209699A; GB2511053B; AU2013379348B2; CN108104351A; GB2526480B; AU2019204780B2; WO2017093951A1; WO2014128431A1; US9903114B2; US11008754B2

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

DOCDB simple family (publication)
EP 0324256 A2 19890719; **EP 0324256 A3 19900704**; **EP 0324256 B1 19920812**; AU 2735288 A 19890817; AU 607561 B2 19910307; DE 3873728 D1 19920917; DE 3873728 T2 19930218; NZ 227501 A 19910528

DOCDB simple family (application)
EP 88312092 A 19881221; AU 2735288 A 19881221; DE 3873728 T 19881221; NZ 22750188 A 19881222