

Title (en)  
Improvements in ventilators.

Title (de)  
Lüfter.

Title (fr)  
Ventilateurs.

Publication  
**EP 0324256 A2 19890719 (EN)**

Application  
**EP 88312092 A 19881221**

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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.

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Cited by  
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