

Title (en)

ELECTRO-MECHANICAL CONTROLS FOR VENTILATORS AND METHODS EMPLOYING SAME

Publication

EP 0181787 A3 19870304 (EN)

Application

EP 85308334 A 19851115

Priority

GB 8429010 A 19841116

Abstract (en)

[origin: EP0181787A2] An electro-mechanical ventilator control mechanism comprises a rotary actuator (19) operable to move a control arm (1) to open and close the ventilator via a force transmitting member (10) formed in two sections (4, 5), normally retained telescoped one within the other by an electromagnetic device (2, 3) mounted on the section (4) and an electromagnetic keeper plate (4) mounted on the section (5), spring means (7) being provided pulling on the end of the member (10) and tending to open the ventilator. De-energisation of the electromagnetic device (2, 3) e.g. under the control of an automatic fire ventilating system, releases the keeper plate (4) and allows the ventilator to open under the action of the spring (7). Subsequent operation of the rotary actuator (19) and re-energisation of the electromagnetic device (2, 3) re-sets the ventilator for automatic operation. Instead of a rotary actuator (19) a linear actuator (20) may be used.

IPC 1-7

A62C 3/14

IPC 8 full level

A62C 2/24 (2006.01)

CPC (source: EP)

A62C 2/247 (2013.01); **F24F 11/76** (2017.12); **F24F 11/34** (2017.12); **F24F 11/35** (2017.12)

Citation (search report)

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- [A] US 3643582 A 19720222 - MOCHIDA HISASHI
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- [A] DE 3229104 A1 19840209 - GEZE GMBH [DE]

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GB2201507A; EP0300992A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0181787 A2 19860521; EP 0181787 A3 19870304; EP 0181787 B1 19890830; AT E45885 T1 19890915; AU 4991485 A 19860522; AU 578762 B2 19881103; DE 3572596 D1 19891005; GB 2167552 A 19860529; GB 2167552 B 19880928; GB 8429010 D0 19841227; GB 8528182 D0 19851218; NZ 214205 A 19890224; ZA 858735 B 19860730

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