

Title (en)
Improvements relating to ventilators.

Title (de)
Ventilatoren.

Title (fr)
Ventilateurs.

Publication
EP 0270297 A1 19880608 (EN)

Application
EP 87310382 A 19871125

Priority
• GB 8628112 A 19861125
• GB 8723551 A 19871007

Abstract (en)
An opening flap ventilator for buildings has pneumatic opening springs (13) and electric motor-gear drive mechanism (14) operable to close the ventilation flap (11). The mechanism has an electrically energised clutch (54) interposed in the gear drive chain (24, 26, 28, 48, 46) (see Fig. 2). On de-energisation of the clutch (54), which may be automatic in response to the detection of a fire condition occurring, the ventilation flap (11) is automatically opened. The flap (11) is subsequently closed by operation of the motor which drives a winch pulley (20) for winding in a single operating cable (76) in opposite directions from a location between its ends. The winch pulley (20) is of split construction and can be dismantled to enable the motor-gear drive unit to be removed whilst leaving the operating cable (76) in place. The gear drive mechanism holds the flap (11) locked in its closed position so long as the clutch (54) remains energised. The motor may be driven in reverse to allow the flap to open under the action of the springs (13) for normal day-to-day ventilation.

IPC 1-7
A62C 3/14

IPC 8 full level
A62C 2/24 (2006.01)

CPC (source: EP)
A62C 2/247 (2013.01); **E05F 15/627** (2015.01); **F24F 11/89** (2017.12); **F24F 13/1426** (2013.01); **E05F 1/1091** (2013.01); **E05Y 2900/152** (2013.01); **F24F 11/34** (2017.12)

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

DOCDB simple family (publication)
EP 0270297 A1 19880608; AU 598608 B2 19900628; AU 8164987 A 19880526; DE 3783459 D1 19930218; DE 3783459 T2 19930701; GB 2199937 A 19880720; GB 8727597 D0 19871231; NZ 222645 A 19900726

DOCDB simple family (application)
EP 87310382 A 19871125; AU 8164987 A 19871124; DE 3783459 T 19871125; GB 8727597 A 19871125; NZ 22264587 A 19871123