

Title (en)
IMPROVEMENTS RELATING TO VENTILATORS

Publication
EP 0050488 A3 19820908 (EN)

Application
EP 81304827 A 19811016

Priority
GB 8033414 A 19801016

Abstract (en)
[origin: EP0050488A2] A powered, direct discharge ventilator comprises a base (B) having an extraction fan duct defined by a cylindrical wall portion (11) enclosing a fan impeller (not shown) of a fan (K) mounted on the base. A shallow windshield (D) shelters a non-return shutter (S) which closes the extraction fan duct when the fan is not operating. The shutter (S) is hinged on a pair of arms (H) to float up on the discharging airstream to take up the position shown chain-dotted in Fig. 1 when the fan is operated. When the fan is stopped, the shutter (S) closes gravitationally. To assist in holding the shutter (S) closed under high wind conditions, a wind deflector (W), carried by a bird-guard (G), directs the wind in a downwardly directed stream onto the top of the shutter (S). Where a much higher windshield is used, the wind deflector acts in a similar manner to prevent any reduction of pressure within the windshield due to the <<wind-over effect>> lifting the non-return shutter.

IPC 1-7
F24F 7/02

IPC 8 full level
F24F 7/02 (2006.01)

CPC (source: EP)
F24F 7/025 (2013.01)

Citation (search report)
• [X] US 2492242 A 19491227 - SHAVER JAMES B
• [Y] GB 1151191 A 19690507 - COLT VENTILATION & HEATING LTD
• [A] GB 1061188 A 19670308 - COLT VENTILATION & HEATING LTD

Cited by
CN108626834A; CN108426336A

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

DOCDB simple family (publication)
EP 0050488 A2 19820428; EP 0050488 A3 19820908; EP 0050488 B1 19840613; AT E7956 T1 19840615; AU 545302 B2 19850711; AU 7638181 A 19820422; DE 3164215 D1 19840719; NZ 198656 A 19850131; ZA 817088 B 19820929

DOCDB simple family (application)
EP 81304827 A 19811016; AT 81304827 T 19811016; AU 7638181 A 19811015; DE 3164215 T 19811016; NZ 19865681 A 19811015; ZA 817088 A 19811014