

Title (en)
IMPROVEMENTS RELATING TO VENTILATORS

Publication
EP 0050488 B1 19840613 (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.

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F24F 7/02

IPC 8 full level
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CPC (source: EP)
F24F 7/025 (2013.01)

Cited by
CN108426336A; CN108626834A

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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

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EP 81304827 A 19811016; AT 81304827 T 19811016; AU 7638181 A 19811015; DE 3164215 T 19811016; NZ 19865681 A 19811015; ZA 817088 A 19811014