

Title (en)
Improvements relating to ventilators.

Title (de)
Ventilatoren.

Title (fr)
Ventilateurs.

Publication
EP 0050488 A2 19820428 (EN)

Application
EP 81304827 A 19811016

Priority
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Abstract (en)
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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Cited by
CN108626834A; CN108426336A

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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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