

Title (en)
VENTILATOR WITH FRESH AIR CAPABILITY TOGETHER WITH HEATING AND/OR COOLING CAPABILITY AND METHODS FOR OPERATING SUCH VENTILATOR

Title (de)
GEBLÄSE MIT ZULUFTZUFUHR UND WÄRME UND/ODER KÜHLUNGSMÖGLICHKEITEN UND VERFAHREN ZUM BETREIBEN EINES SOLCHEN GEBLÄSES

Title (fr)
VENTILATEUR AYANT UNE CAPACITE D'AIR FRAIS ET UNE CAPACITE DE CHAUFFAGE ET/OU DE REFROIDISSEMENT ET SON MODE DE FONCTIONNEMENT

Publication
EP 1789731 A1 20070530 (EN)

Application
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Priority
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Abstract (en)
[origin: WO2006018675A1] A ventilator (2) capable of supplying fresh air in combination with heating and/or cooling for a ventilated room is provided. The ventilator comprises at least two blowers (6), a heat exchanger (8), a motorised damper (4) and a microprocessor (12) for cross-flow controlling the ventilator. A method for controlling a ventilator by adjusting the rotational speed of the cross-flow blowers, the opening of the damper and optionally the opening of a motorised valve controlling the flow rate of heat transfer medium is also provided. In preferred embodiments, the method further comprises thermal protection to prevent frost damage and boost of temperature or fresh air.

IPC 8 full level
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Citation (search report)
See references of WO 2006018675A1

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