

Title (en)

Air ventilator with non-return valve and filter for leading replacement air into a room

Title (de)

Luftventilator mit Filter und Rückschlagklappe zur Leitung von Austauschluft in einen Raum

Title (fr)

Ventilateur avec filtre et soupape de retenue pour le remplacement de l'air dans une pièce

Publication

**EP 2264376 A1 20101222 (EN)**

Application

**EP 09163104 A 20090618**

Priority

EP 09163104 A 20090618

Abstract (en)

The invention is an air ventilator (2) which comprises an air inlet (2.1), an air outlet (2.2), and an air channel (2.3) to enable air flow between the air inlet (2.1) and the air outlet (2.2). The air ventilator (2) also comprises a backflow trap (1) for preventing air flowing to a backwards direction in the air channel (2.3). The air ventilator (2) further comprises a first section (2.7) and a second section (2.8). The first section (2.7) having a first height (h1) comprises channelling means (2.9) for controlling the direction of the air flow in the air channel (2.3). The height (h2) of the second section (2.8) is greater than the height (h1) of the first section (2.7). The second section (2.8) comprises a filter (9) for filtering impurities from the air flowing through the air channel (2.3).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- EP 0801275 A2 19971015 - TARPIO TAPIO [FI]
- EP 1988341 A1 20081105 - DIR AIR OY [FI]
- DE 10059077 A1 20010920 - KAMLEITHNER MALY UTA [AT]

Citation (search report)

- [XY] DE 10059077 A1 20010920 - KAMLEITHNER MALY UTA [AT]
- [Y] EP 1959210 A1 20080820 - DIR AIR OY [FI]
- [Y] EP 0421841 A1 19910410 - AMPHOUX ANDRE [FR]
- [A] EP 1598514 A1 20051123 - ELECTRICITE DE FRANCE [FR]
- [A] CH 642159 A5 19840330 - LUWA AG [CH]

Cited by

CN103422797A; CN113357802A; NL1042183A; BE1023702B1

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