

Title (en)
FAN CONVECTOR

Title (de)
GEBLÄSEKONVEKTOR

Title (fr)
CONVECTEUR A SOUFFLANTE

Publication
EP 2518418 A1 20121031 (EN)

Application
EP 12165745 A 20120426

Priority
IT MI20110726 A 20110429

Abstract (en)
A fan convector (1) suitable for operating in cooling and heating mode and equipped with a casing (2) with: an intake opening (11) arranged at the lower end of the casing (2), a first delivery opening (21) arranged at the upper end of the casing (2), a second delivery opening (22) arranged on a front side of the casing (2) and a heat exchanger (3) and a fan group (4) housed in said casing (2). The fan group (4) is intended to suck air from the intake opening (11) and discharge air towards the heat exchanger (3) and from this towards the delivery openings (21, 22). The casing (2) also comprises valve means (50) to intercept the flow of air flowing towards the delivery openings (21, 22) and allow the discharge of the air alternatively from the first delivery opening (21) or from the second delivery opening (22). The valve means (50) is also mobile between a first position associated with a heating operating mode of the fan convector and a second position associated with a cooling operating mode of the fan convector. In the heating operating mode the valve means (50) is in a position such that the air sucked in by the fan group (4) and treated by the heat exchanger is discharged from the second delivery opening (22), whereas in the second cooling mode, the valve means (50) is in a position such that the air sucked in by the fan group (4) and treated by the heat exchanger (3) is discharged from the first delivery opening (21).

IPC 8 full level
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CPC (source: EP)
F24F 1/0014 (2013.01); **F24F 11/89** (2017.12); **F24F 13/14** (2013.01)

Citation (applicant)
• CN 2716696 Y 20050810 - ZHANG DUANQIAO [CN]
• EP 1628028 A2 20060222 - EATON CORP [US]
• JP H11237067 A 19990831 - FUJITSU GENERAL LTD
• JP S5875641 A 19830507 - MITSUBISHI ELECTRIC CORP

Citation (search report)
• [X] JP H11237068 A 19990831 - FUJITSU GENERAL LTD
• [XY] JP H09257268 A 19970930 - FUJITA CORP, et al
• [XY] JP S5875641 A 19830507 - MITSUBISHI ELECTRIC CORP
• [A] US 3289746 A 19661206 - KLINE JOHN L
• [A] EP 0730124 A2 19960904 - SANDEN CORP [JP]
• [A] GB 986314 A 19650317 - DELL ORTO CHIEREGATTI S P A

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