

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  
**F24F 1/00** (2011.01); **F24F 11/89** (2018.01); **F24F 13/14** (2006.01)

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]  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2518418 A1 20121031; EP 2518418 B1 20180822;** CY 1120776 T1 20191211; DK 2518418 T3 20181105; ES 2687243 T3 20181024; HR P20181719 T1 20181228; HU E040057 T2 20190228; IT MI20120696 A1 20121030; LT 2518418 T 20181112; PL 2518418 T3 20181231; PT 2518418 T 20181026; RS 57891 B1 20190131; SI 2518418 T1 20181231; TR 201815067 T4 20181121

DOCDB simple family (application)  
**EP 12165745 A 20120426;** CY 181101080 T 20181022; DK 12165745 T 20120426; ES 12165745 T 20120426; HR P20181719 T 20181022; HU E12165745 A 20120426; IT MI20120696 A 20120426; LT 12165745 T 20120426; PL 12165745 T 20120426; PT 12165745 T 20120426; RS P20181251 A 20120426; SI 201231424 T 20120426; TR 201815067 T 20120426