

Title (en)

VENTILATOR AND AIR CONDITIONER

Title (de)

VENTILATOR UND KLIMAANLAGE

Title (fr)

VENTILATEUR ET DISPOSITIF D'AIR CONDITIONNE

Publication

EP 1455141 B1 20110216 (EN)

Application

EP 02804343 A 20021021

Priority

- JP 0210889 W 20021021
- JP 2001374759 A 20011207

Abstract (en)

[origin: EP1455141A1] The present invention provides an air conditioner that can send outdoor air to an indoor space, and can effectively discharge indoor air to the outside. The air conditioner comprises an air supply and discharge line (7), a humidification fan (70), and a switching damper (90). The air supply and discharge line (7) connects an indoor space with an outdoor space. The fan (70) has an air intake port and an air discharge port. The switching means (90) can switch between a first and a second state. The first state is one in which the air discharge port of the humidification fan (70) communicates with the air supply and discharge line (7). The second state is one in which the air intake port of the humidification fan (70) communicates with the air supply and discharge line (7). <IMAGE>

IPC 8 full level

F24F 7/007 (2006.01); **F24F 7/06** (2006.01); **F24F 1/0087** (2019.01); **F24F 6/00** (2006.01); **F24F 11/02** (2006.01)

CPC (source: EP KR US)

F24F 1/0003 (2013.01 - EP KR); **F24F 1/0033** (2013.01 - EP); **F24F 1/0035** (2019.01 - EP); **F24F 1/0038** (2019.01 - EP US);
F24F 1/0057 (2019.01 - EP); **F24F 1/0087** (2019.01 - EP US); **F24F 1/06** (2013.01 - EP); **F24F 1/46** (2013.01 - EP); **F24F 6/00** (2013.01 - EP);
F24F 7/06 (2013.01 - EP); **F24F 7/10** (2013.01 - KR); **F24F 11/0001** (2013.01 - KR); **F24F 11/80** (2017.12 - KR); **F24F 13/10** (2013.01 - KR)

Cited by

EP2267374A4; DE102017112269A1; US2015241084A1; CN104879905A; US9829212B2; US11619406B2; EP3940308A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1455141 A1 20040908; **EP 1455141 A4 20100224**; **EP 1455141 B1 20110216**; AT E498804 T1 20110315; AU 2002335534 A1 20030617;
AU 2002335534 B2 20041007; CN 100425920 C 20081015; CN 1277078 C 20060927; CN 1533492 A 20040929; CN 1763448 A 20060426;
DE 60239219 D1 20110331; ES 2358257 T3 20110509; JP 2003176944 A 20030627; JP 3608548 B2 20050112; KR 100553416 B1 20060220;
KR 100553417 B1 20060220; KR 20040018360 A 20040303; KR 20050100713 A 20051019; WO 03048650 A1 20030612

DOCDB simple family (application)

EP 02804343 A 20021021; AT 02804343 T 20021021; AU 2002335534 A 20021021; CN 02804475 A 20021021; CN 200510112846 A 20021021;
DE 60239219 T 20021021; ES 02804343 T 20021021; JP 0210889 W 20021021; JP 2001374759 A 20011207; KR 20037013708 A 20031020;
KR 20057018984 A 20050927