

Title (en)
Air conditioner for the human domain

Title (de)
Klima-Anlage für den Humanbereich

Title (fr)
Conditionneur d'air pour le domaine humain

Publication
EP 0532874 B1 19960424 (DE)

Application
EP 92113168 A 19920801

Priority

- DE 4130648 A 19910914
- DE 4130650 A 19910914
- DE 4130651 A 19910914

Abstract (en)
[origin: EP0532874A2] Air-conditioning for installation the human domain, in particular for living and working rooms, with a central air-conditioning device for preparing the room air, blower for delivering the prepared room air in the region of the central air-conditioning device, at least one delivery duct for the prepared room air delivered by the blower and at least one outlet duct with an air outlet for the introduction of the prepared room air into at least one associated room to be air-conditioned. Arranged in the region between blower and air outlet is a filter device which is flowed through by the prepared room air and which has at least one suspended-particle filter and at least one sorption filter. The filter device is at the same time designed as a sound-damping and/or sound-insulating device. The filters therein are designed in the form of sound-insulating elements and/or sound-absorbing elements. A method for operating such an air-conditioning installation is also indicated. <IMAGE>

IPC 1-7
F24F 13/24; **F24F 3/16**; **F24F 3/044**

IPC 8 full level
F24F 3/044 (2006.01); **F24F 8/108** (2021.01); **F24F 13/24** (2006.01)

CPC (source: EP US)
F24F 1/0073 (2019.01 - EP US); **F24F 3/044** (2013.01 - EP US); **F24F 8/10** (2021.01 - EP US); **F24F 8/108** (2021.01 - EP US);
F24F 13/24 (2013.01 - EP US); **F24F 2221/12** (2013.01 - EP US)

Citation (examination)
"Taschenbuch für Heizung und Klimatechnik" Seiten 1294-5, 1314, 1292 Recknagel, Sprenger, Hönnmann, 63. Ausgabe, Oldenbourg Verlag München Wien

Cited by
CN103278433A; DE19941780A1; DE19941780C2; ES2273537A1; EP1452218A1; EP1452218B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0532874 A2 19930324; **EP 0532874 A3 19931124**; **EP 0532874 B1 19960424**; AT E137325 T1 19960515; DE 59206100 D1 19960530;
DK 0532874 T3 19960708; ES 2086593 T3 19960701; FI 100484 B 19971215; FI 923519 A0 19920804; FI 923519 A 19930315;
GR 3020245 T3 19960930; JP 3335378 B2 20021015; JP H0626669 A 19940204; NO 177838 B 19950821; NO 177838 C 19951129;
NO 923061 D0 19920804; NO 923061 L 19930315; US 5313803 A 19940524

DOCDB simple family (application)
EP 92113168 A 19920801; AT 92113168 T 19920801; DE 59206100 T 19920801; DK 92113168 T 19920801; ES 92113168 T 19920801;
FI 923519 A 19920804; GR 960401624 T 19960618; JP 22980992 A 19920828; NO 923061 A 19920804; US 94092292 A 19920908