

Title (en)

Regenerating air device in indoor spaces

Title (de)

Vorrichtung zur Regenerierung der Luft in Innenräumen

Title (fr)

Dispositif de régénération d'air pour des espaces intérieurs

Publication

**EP 0731320 A3 19970115 (DE)**

Application

**EP 96103648 A 19960307**

Priority

DE 19508262 A 19950308

Abstract (en)

[origin: EP0731320A2] The purification apparatus is of suitable dimensions to be placed next to a person in the room to provide an area of air free of noxious substances. The room air drawn into the upper part of the apparatus through a ventilator (6) passes through a micro-fine air filter insert element (2) so that pollen, bacteria, particles and other types of dust are effectively absorbed through mechanical and electrostatic filtration. Gaseous substances and micro organisms are eliminated when absorbed by activated carbon cassettes (4,5). The activated carbon is continuously regenerated through ozone. This ensures the breakdown of ozone which splits into oxygen.

IPC 1-7

**F24F 3/16**

IPC 8 full level

**F24F 8/26** (2021.01); **F24F 8/22** (2021.01); **F24F 8/80** (2021.01)

CPC (source: EP US)

**F24F 8/158** (2021.01 - EP); **F24F 8/22** (2021.01 - EP US); **F24F 8/26** (2021.01 - EP US); **F24F 8/80** (2021.01 - EP US); **F24F 8/96** (2021.01 - EP); **F24F 8/98** (2021.01 - EP)

Citation (search report)

- [A] DE 4340788 A1 19940526 - MITSUBISHI ELECTRIC CORP [JP]
- [A] DE 3639708 A1 19880601 - METALLBAU BUEDELSDORF [DE]
- [A] EP 0616175 A2 19940921 - YUSHIN ENG KK [JP], et al

Cited by

WO9853898A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0731320 A2 19960911**; **EP 0731320 A3 19970115**; DE 19508262 A1 19960912; DE 19508262 C2 19981015

DOCDB simple family (application)

**EP 96103648 A 19960307**; DE 19508262 A 19950308