

Title (en)

FILTER SYSTEM TO PURIFY AIR OF SMOKING ROOMS.

Title (de)

FILTERANLAGE ZUR REINIGUNG VON LUFT IN RÄUCHERKAMMERN.

Title (fr)

SYSTEME DE FILTRAGE POUR L'EPURATION DE L'AIR DANS LES FUMOIRES.

Publication

**EP 0672232 A1 19950920 (EN)**

Application

**EP 94901966 A 19931209**

Priority

- FI 9300530 W 19931209
- FI 925653 A 19921211

Abstract (en)

[origin: WO9414013A1] A smoking room (1) in which the room air can be maintained clean by means of a purification system in such a way that the particles present in the air and tobacco smoke discharging from the smoking room will adhere to a filter unit (4) belonging to the purification system, the unit having a eurovent-classified filter EU4-EU5 (5), followed by an activated-carbon filter (7) and, for example, aluminum oxide saturated with potassium permanganate, i.e. PURAFILR filter material (8), which is a broadaction oxidizing agent and removes impurities from the air by adsorption, absorption, and chemical oxidation. Between the EU4-EU5 filter (5) and the activated-carbon filter (7) there is a second eurovent-classified filter EU9-EU10 (6), and the purification system includes an odor filter (10), which is, for example, a chemically modified copolymer of polypropylene and styrene.

IPC 1-7

**F24F 3/16**

IPC 8 full level

**B01D 46/00** (2006.01); **B01D 53/34** (2006.01); **B01D 53/81** (2006.01); **E04H 1/12** (2006.01); **F24F 3/16** (2006.01); **F24F 8/108** (2021.01); **F24F 8/158** (2021.01); **F24F 8/97** (2021.01); **F24F 3/044** (2006.01)

CPC (source: EP US)

**F24F 8/10** (2021.01 - EP); **F24F 8/108** (2021.01 - EP US); **F24F 8/158** (2021.01 - EP US); **F24F 8/167** (2021.01 - EP); **F24F 8/97** (2021.01 - EP US); **F24F 2003/0446** (2013.01 - EP)

Citation (search report)

See references of WO 9414013A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9414013 A1 19940623**; AU 5651594 A 19940704; CA 2151497 A1 19940623; EP 0672232 A1 19950920; FI 92290 B 19940715; FI 92290 C 19950913; FI 925653 A0 19921211; JP H08507850 A 19960820; NO 952296 D0 19950609; NO 952296 L 19950609; ZA 939241 B 19940805

DOCDB simple family (application)

**FI 9300530 W 19931209**; AU 5651594 A 19931209; CA 2151497 A 19931209; EP 94901966 A 19931209; FI 925653 A 19921211; JP 51383394 A 19931209; NO 952296 A 19950609; ZA 939241 A 19931209