

Title (en)

Filter-ventilator-arrangement for application in clean rooms

Title (de)

Filter-Ventilator-Einrichtung zur Verwendung bei Reinräumen

Title (fr)

Installation de filtre-ventilateur pour l'utilisation dans des salles blanches

Publication

**EP 0497296 B1 19960403 (DE)**

Application

**EP 92101413 A 19920129**

Priority

- DE 4103026 A 19910201
- DE 4133093 A 19911005

Abstract (en)

[origin: EP0497296A2] The filter/ventilator arrangement is used in clean rooms and has a ventilator (9), the pressure side of which faces an airflow space (21, 23). It is formed by an annular duct, at least one of the delimiting walls (13a to 13d, 20a to 20d, 22a to 22d) of which consists of sound-absorbing material. The arrangement is of compact design. The annular duct (21, 23) makes possible uniform flow distribution and uniform speed across the surface of the downstream filter, so that the air can penetrate uniformly through the filter into the clean room situated below. The annular duct (21, 23) makes possible very short flow paths, as a result of which there are low flow losses and a low energy requirement. <IMAGE>

IPC 1-7

**F24F 3/16**; **F24F 13/24**

IPC 8 full level

**F24F 3/16** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP US)

**F24F 3/167** (2021.01 - EP US); **Y10S 454/906** (2013.01 - EP US)

Citation (examination)

Prospektblatt 11/87, Firma Babcock- BSH "Clean-room tunnel-modul"

Cited by

DE102016226157A1; WO2018113855A1; EP0743578A1; AU752348B2; CN110100102A; US6200215B1; WO9902926A1; US11371730B2

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