

Title (en)

Super-clean air device for use in pharmacy, food industry and biotechnology

Title (de)

Reinstlufteinrichtung für den Pharmazie-, Lebensmittel- und biotechnischen Bereich

Title (fr)

Dispositif pour rendre l'air extra pur dans les domaines de la biotechnologie, des produits alimentaires, et de la pharmacie

Publication

**EP 1085270 B1 20070131 (DE)**

Application

**EP 00119990 A 20000914**

Priority

DE 29916321 U 19990916

Abstract (en)

[origin: US6358139B1] A super-clean air device for the pharmaceutical sector, foodstuff sector, and biotechnology sector has at least one fan for conveying fresh air in a conveying direction into the clean room and for removing return air from the clean room. At least one filter is arranged downstream of the fan in the conveying direction. At least one heat exchanger is arranged upstream of the fan in the conveying direction. A common housing is provided and is designed to form a mounting module, wherein the at least one fan, the at least one filter, and the at least one heat exchanger are arranged in the common housing for ease of installation.

IPC 8 full level

**F24F 3/16** (2006.01); **F24F 7/06** (2006.01); **B01D 46/42** (2006.01); **F24F 1/0038** (2019.01); **F24F 1/0323** (2019.01); **F24F 1/035** (2019.01); **F24F 13/06** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP KR US)

**F24F 1/0035** (2019.01 - EP US); **F24F 1/0038** (2019.01 - EP KR US); **F24F 1/0047** (2019.01 - EP KR US); **F24F 1/0071** (2019.01 - EP KR US); **F24F 1/0323** (2019.01 - EP KR US); **F24F 1/035** (2019.01 - EP KR US); **F24F 13/24** (2013.01 - EP KR US)

Cited by

CN112378022A; ITPD20110346A1; EP2587174A1; EP2363655A1; FR2956899A1; DE202012100630U1

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

DOCDB simple family (publication)

**US 6358139 B1 20020319**; AR 025673 A1 20021211; AT E353130 T1 20070215; BR 0004250 A 20020723; CN 1177174 C 20041124; CN 1293342 A 20010502; DE 29916321 U1 19991223; DE 50014020 D1 20070322; EP 1085270 A2 20010321; EP 1085270 A3 20031105; EP 1085270 B1 20070131; IN 535CA2000 A 20150717; JP 2001133002 A 20010518; KR 20010050463 A 20010615; SG 84618 A1 20011120

DOCDB simple family (application)

**US 66347100 A 20000915**; AR P000104835 A 20000914; AT 00119990 T 20000914; BR 0004250 A 20000918; CN 00127095 A 20000915; DE 29916321 U 19990916; DE 50014020 T 20000914; EP 00119990 A 20000914; IN 535CA2000 A 20000918; JP 2000281711 A 20000918; KR 20000054120 A 20000915; SG 200005233 A 20000916