

Title (en)

Device for producing a clean and poor in turbulences air current, for supplying local clean-rooms

Title (de)

Einrichtung zur Erzeugung eines gereinigten, turbulenzarmen Luftstromes zur Versorgung lokaler Reinräume

Title (fr)

Dispositif pour produire un courant d'air purifié, pauvre en turbulences destiné à alimenter des salles blanches locales

Publication

EP 0768498 A3 19991124 (DE)

Application

EP 96107219 A 19960507

Priority

DE 19538040 A 19951013

Abstract (en)

[origin: EP0768498A2] The equipment has a fan (3) and a filter (4). The latter has an intake on one side (6) for uncleaned air, and has an outlet on the opposite side for clean air. The equipment is enclosed by the walls of a plenum chamber (1), and one wall has an intake opening which is connected to the fan in order to suck in air. Another wall has an outlet opening (9), against which the filter outlet rests. The wall of the chamber which is opposite from the outlet, is adjacent to the side of the filter in which the intake is arranged, in order to form a space (12), which is connected with the remainder of the chamber. The fan may be adjacent to the filter in a direction which is perpendicular to the clean airflow.

IPC 1-7

F24F 7/00; **F24F 3/16**

IPC 8 full level

F24F 7/007 (2006.01); **F24F 3/16** (2006.01); **F24F 7/06** (2006.01)

CPC (source: EP KR US)

F24F 3/167 (2021.01 - EP US); **F24F 7/007** (2013.01 - KR); **F24F 7/06** (2013.01 - KR); **F24F 13/20** (2013.01 - KR); **F24F 13/28** (2013.01 - KR)

Citation (search report)

- [X] EP 0340433 A2 19891108 - BABCOCK BSH AG [DE]
- [X] US 5413524 A 19950509 - YOSHIDA MASANORI [JP]
- [X] DE 4122582 A1 19930114 - BABCOCK BSH AG [DE]
- [DA] DE 3513902 A1 19851024 - ENVIRONMENTAL AIR CONTROL [US]

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CN102788400A; CN111271870A; US9217576B2

Designated contracting state (EPC)

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EP 0768498 A2 19970416; **EP 0768498 A3 19991124**; DE 19538040 A1 19970417; DE 19538040 C2 19980813; JP 3091412 B2 20000925; JP H09126511 A 19970516; KR 0173766 B1 19990320; KR 970022014 A 19970528; SG 88724 A1 20020521; US 5814116 A 19980929

DOCDB simple family (application)

EP 96107219 A 19960507; DE 19538040 A 19951013; JP 14563596 A 19960607; KR 19960026826 A 19960703; SG 1996009946 A 19960601; US 66348696 A 19960613