

Title (en)
AIR TREATMENT SYSTEM

Title (de)
VORRICHTUNG ZUR BEHANDLUNG VON LUFT

Title (fr)
SYSTEME DE TRAITEMENT DE L'AIR

Publication
EP 0958031 A2 19991124 (EN)

Application
EP 97928792 A 19970603

Priority

- US 9709525 W 19970603
- US 66158996 A 19960611
- US 66500496 A 19960611
- US 66500396 A 19960611
- US 66160496 A 19960611
- US 66159096 A 19960611
- US 66137596 A 19960611

Abstract (en)
[origin: WO9747928A2] An air treatment system having a relatively large capacity yet a relatively small footprint and low sound level. The air treatment system includes a housing defining adjacent vertically extending inlet and outlet chambers. A blower is mounted within the inlet chamber to move air through the system. A generally planar filter is contained within the outlet chamber and is spaced apart from the rear wall of the housing to define a plenum. The rear wall of the housing is curved so that the plenum is tapered to provide uniform pressure over the face of the filter. The system is adapted to rest upon the floor or mount either vertically or horizontal to a wall. Additionally, the system includes a control mechanism that allows the system to run at full speed for a predetermined period of time and then automatically return to its previous speed level.

IPC 1-7
B01D 46/00; **B01D 46/52**; **F24F 11/00**

IPC 8 full level
B01D 46/00 (2006.01); **B01D 46/10** (2006.01); **F24F 8/108** (2021.01); **F24F 8/158** (2021.01); **F24F 1/00** (2011.01)

CPC (source: EP KR US)
B01D 46/0005 (2013.01 - EP KR); **B01D 46/0038** (2013.01 - EP KR); **B01D 46/0086** (2013.01 - EP KR); **B01D 46/10** (2013.01 - EP KR); **F24F 1/0071** (2019.01 - EP KR); **F24F 8/10** (2021.01 - EP KR); **F24F 8/108** (2021.01 - EP KR US); **F24F 8/158** (2021.01 - EP KR US); **F24F 11/77** (2017.12 - KR); **F24F 13/24** (2013.01 - KR); **B01D 2267/40** (2013.01 - EP KR); **F24F 11/77** (2017.12 - EP); **F24F 13/24** (2013.01 - EP); **Y02B 30/70** (2013.01 - EP KR)

Citation (search report)
See references of WO 9747928A2

Cited by
CN108954757A

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9747928 A2 19971218; **WO 9747928 A3 19980416**; AR 008767 A1 20000223; AU 3295897 A 19980107; CA 2256443 A1 19971218; CA 2256443 C 20041012; EP 0958031 A2 19991124; ID 18435 A 19980409; JP 2000512204 A 20000919; KR 100256184 B1 20000515; KR 980003237 A 19980330; MY 128957 A 20070330

DOCDB simple family (application)
US 9709525 W 19970603; AR P970102524 A 19970610; AU 3295897 A 19970603; CA 2256443 A 19970603; EP 97928792 A 19970603; ID 971993 A 19970611; JP 50166198 A 19970603; KR 19970023738 A 19970610; MY PI9702593 A 19970611