

Title (en)

AN APPARATUS FOR PICKING UP AND COLLECTING PARTICULATE MATERIAL

Title (de)

VORRICHTUNG ZUM AUFNEHMEN UND SAMMELN VON AUS PARTIKELN BESTEHENDEM STOFF

Title (fr)

APPAREIL DE RAMASSAGE ET DE COLLECTE DE MATIERE PARTICULAIRE

Publication

EP 1135049 A1 20010926 (EN)

Application

EP 99953435 A 19991007

Priority

- AU 9900861 W 19991007
- AU PP638398 A 19981007
- AU PP639998 A 19981008
- AU PP817499 A 19990115
- AU PP898099 A 19990225
- AU PP906999 A 19990309
- AU PP910099 A 19990310

Abstract (en)

[origin: WO0019881A1] An apparatus (10) to separate a particle containing fluid such as dust laden air uses a Coanda blowing slot (14) to entrap particles into a recirculating fluid stream, and strips the particles out of the fluid stream in a separation chamber (31, 16) preferably using a vortex system. The apparatus can be a zero emission apparatus making it suitable in areas where conventional vacuum cleaners are inappropriate.

IPC 1-7

A47L 9/10; **A47L 9/16**; **B01D 45/16**; **B04C 5/18**

IPC 8 full level

A47L 5/14 (2006.01); **A47L 9/08** (2006.01); **A47L 9/16** (2006.01); **B01D 45/02** (2006.01); **B01D 45/16** (2006.01); **B04C 9/00** (2006.01)

CPC (source: EP KR)

A47L 5/14 (2013.01 - EP KR); **A47L 7/04** (2013.01 - KR); **A47L 9/08** (2013.01 - EP KR); **A47L 9/102** (2013.01 - EP);
A47L 9/1608 (2013.01 - EP KR); **A47L 9/1658** (2013.01 - EP); **A47L 9/1683** (2013.01 - EP); **B01D 45/16** (2013.01 - EP KR);
B04C 9/00 (2013.01 - EP KR); **B04C 2009/007** (2013.01 - EP)

Citation (search report)

See references of WO 0019881A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0019881 A1 20000413; CA 2346144 A1 20000413; CN 1322121 A 20011114; EP 1135049 A1 20010926; JP 2002526233 A 20020820;
KR 20010088843 A 20010928

DOCDB simple family (application)

AU 9900861 W 19991007; CA 2346144 A 19991007; CN 99811817 A 19991007; EP 99953435 A 19991007; JP 2000573244 A 19991007;
KR 20017004298 A 20010404