

Title (en)

VACUUM CLEANER WITH TANGENTIAL SEPARATION OF TRASH

Title (de)

STAUBSAUGER MIT TRENNUNG VON ABFÄLLEN DURCH TANGENTIALSTROM

Title (fr)

ASPIRATEUR A SEPARATION TANGENTIELLE DES DECHETS

Publication

EP 0996355 B1 20040804 (FR)

Application

EP 99922222 A 19990512

Priority

- FR 9901131 W 19990512
- FR 9806422 A 19980515

Abstract (en)

[origin: FR2778546A1] The separator has an axial screw (11) inside a tube (8a) connected to the suction inlet (13). A second tube (9) is fitted at the end of the screw, coaxial with it. This tube has a smaller diameter than the first tube, and a mesh (16) at one end. A third tube (8b) houses the smaller diameter tube, and has a removable collector (10) attached to its underside to collect the waste.

IPC 1-7

A47L 9/16; **A47L 9/10**

IPC 8 full level

A47L 9/10 (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP US)

A47L 9/104 (2013.01 - EP US); **A47L 9/1608** (2013.01 - EP US); **A47L 9/1683** (2013.01 - EP US)

Cited by

US8186006B2; US8316507B2; US8302252B2

Designated contracting state (EPC)

DE ES FR GB IE IT

DOCDB simple family (publication)

FR 2778546 A1 19991119; **FR 2778546 B1 20000630**; AU 3935199 A 19991206; BR 9906376 A 20000711; CN 1126500 C 20031105; CN 1272048 A 20001101; DE 69919106 D1 20040909; EP 0996355 A1 20000503; EP 0996355 B1 20040804; PL 190193 B1 20051130; PL 337924 A1 20000911; RU 2198581 C2 20030220; TR 200000094 T1 20000921; US 6332239 B1 20011225; WO 9959458 A1 19991125

DOCDB simple family (application)

FR 9806422 A 19980515; AU 3935199 A 19990512; BR 9906376 A 19990512; CN 99800751 A 19990512; DE 69919106 T 19990512; EP 99922222 A 19990512; FR 9901131 W 19990512; PL 33792499 A 19990512; RU 2000103441 A 19990512; TR 200000094 T 19990512; US 46280100 A 20000114