

Title (en)
Electrocyclone vacuum cleaner and electrocyclone filter cartridge for same

Title (de)
Elektrozyklonstaubsauger und Filterpatrone dafür

Title (fr)
Aspirateur électrocyclonique et cartouche filtrante pour celui-ci

Publication
EP 0815788 A2 19980107 (EN)

Application
EP 96203067 A 19961102

Priority
IT MI961308 A 19960627

Abstract (en)
Movable domestic or industrial vacuum cleaner in which the dust is trapped in a dust collecting chamber (7) by a combination of centrifugal and electrostatic actions, dust-laden air being carried at high speed into a helical tube (13) that is housed in the chamber (7) and opens on the inside of the latter. The walls of the tube (13) are given an electric charge by triboelectric action and, while larger and denser particulates are deposited in the chamber (7) by centrifugal action, finer particulates are attracted electrostatically and deposited on the external wall of the helical tube (13).
<IMAGE>

IPC 1-7
A47L 9/16

IPC 8 full level
A47L 9/12 (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP)
A47L 9/1608 (2013.01); **A47L 9/1633** (2013.01); **A47L 9/165** (2013.01)

Citation (applicant)
• EP 0018197 A1 19801029 - DYSON JAMES
• EP 0042723 A2 19811230 - ROTORK APPLIANCES LTD [GB]

Cited by
US6482252B1; US6238451B1; US6344064B1; US6582489B2; US6383266B1; US6902596B2; US6736873B2; US7455708B2; FR2778546A1; KR20040050220A; AU765482B2; EP1297774A1; AU2005203506B2; US6863702B2; US8252096B2; US6782585B1; US6623539B2; WO2007131858A1; WO9959458A1; WO0044272A1; WO2004105568A1; WO2005077242A3; WO0041454A3; US6391095B1; US6599340B2; US10231586B2; GB2472096A; GB2472096B; JP2020506744A; WO0040135A1; US8182563B2; US8257457B2; US6332239B1; WO2011010136A1; US8409335B2; US7615089B2; WO2011010137A1; WO2011010138A1; US8465574B2; US8551227B2; US6334234B1; US8015659B2; US11547259B2; EP2279685A1; WO2011010135A1; US8572789B2; US10376900B2; US11529035B2

Designated contracting state (EPC)
DE ES FR GB

DOCDB simple family (publication)
EP 0815788 A2 19980107; EP 0815788 A3 19990203; IT 1284447 B1 19980521; IT MI961308 A0 19960627; IT MI961308 A1 19971227

DOCDB simple family (application)
EP 96203067 A 19961102; IT MI961308 A 19960627