Title (en)

Bagless vacuum cleaner with filtration unit with automatic cleaning capacity

Title (de)

Beutelloser Staubsauger mit Filtereinheit mit automatischer Reinigungseinheit

Title (fr)

Aspirateur sans sac à poussières avec unité de filtrage avec unité de nettoyage automatique

Publication

EP 2255710 A1 20101201 (EN)

Application

EP 10164004 A 20100527

Priority

IT UD20090108 A 20090528

Abstract (en)

A bagless vacuum cleaner (10, 110) comprises a suction unit (26) to suck in a first stream (A) of air and dirt from the outside through a primary circuit (19) and a filtration unit (12) to filter the dirt sucked in by the suction unit (26). The filtration unit (12) comprises a first chamber (20), in fluidic connection with the primary circuit (19), put in depression by the suction unit (26) and inside which a first filter (14) is mounted, which rotates freely, or idle, on itself with respect to the first chamber (20) when it is hit by the first stream (A) sucked in by the suction unit (26).

IPC 8 full level

A47L 9/16 (2006.01)

CPC (source: EP)

A47L 9/1675 (2013.01); **A47L 9/19** (2013.01)

Citation (applicant)

- EP 1629761 A2 20060301 - LG ELECTRONICS INC [KR]
- US 2004098827 A1 20040527 - OH JANG-KEUN [KR], et al

Citation (search report)

- [A] US 2004098827 A1 20040527 - OH JANG-KEUN [KR], et al
- [A] FR 2851448 A1 20040827 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
- [A] US 2060168 A 19361110 - BROCK CLARENCE A
- [A] EP 1023864 A2 20000802 - SANYO ELECTRIC CO [JP]

Cited by

EP2679133A3; EP3072431A1; EP3338612A1; US11766157B2; DE102016205006A1; US11517166B2; US11963652B2; US9980619B2; US10729298B2; WO2021262952A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2255710 A1 20101201; **EP 2255710 B1 20120822**; CN 101897560 A 20101201; CN 101897560 B 20150128; ES 2393843 T3 20121228; IT 1395676 B1 20121016; IT UD20090108 A1 20101129

DOCDB simple family (application)

EP 10164004 A 20100527; CN 201010188561 A 20100528; ES 10164004 T 20100527; IT UD20090108 A 20090528