

Title (en)

Liquid bath vacuum cleaner with dynamic separator

Title (de)

Staubsauger mit Flüssigkeitsbad mit dynamischen Trenner

Title (fr)

Aspirateur à bain de liquide avec séparateur dynamique

Publication

**EP 1475028 A3 20070815 (EN)**

Application

**EP 04002891 A 20040210**

Priority

IT MI20030920 A 20030507

Abstract (en)

[origin: EP1475028A2] The liquid bath vacuum cleaner comprises a suction fan assembly (16) and a dynamic separator (21) extending into an air swirling chamber (22). The separator (21) comprises a basket-like cylindrical body provided with a plurality of slots (34) for the passage of the air, and peripheral fins (21). Each fin has a wide flat front surface (SF2), rearwardly slanted in a direction opposite to the rotation of the separator (21), for ejecting the particles of dust (P) towards the swirling chamber (22), into the liquid bath.

IPC 8 full level

**A47L 9/18** (2006.01); **A47L 7/00** (2006.01)

CPC (source: EP)

**A47L 7/0004** (2013.01); **A47L 9/181** (2013.01); **A47L 9/188** (2013.01)

Citation (search report)

- [XY] US 6306199 B1 20011023 - GUSTAFSON ERIC LEE [US], et al
- [Y] US 2954095 A 19600927 - BROCK CLARENCE A
- [X] WO 0162133 A1 20010830 - HYL A PROIZV RAZVOJ IN TRGOVINA [SI], et al
- [A] US 5908493 A 19990601 - KRYMSKY MARK D [US]
- [A] EP 0890335 A1 19990113 - VETRELLA SPA [IT]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

**EP 1475028 A2 20041110**; **EP 1475028 A3 20070815**; **EP 1475028 B1 20101103**; AT E486512 T1 20101115; DE 602004029840 D1 20101216; IT MI20030920 A1 20041108

DOCDB simple family (application)

**EP 04002891 A 20040210**; AT 04002891 T 20040210; DE 602004029840 T 20040210; IT MI20030920 A 20030507