

Title (en)

Vacuum cleaner separator for high speed vacuum cleaner motor

Title (de)

Staubsaugertrennvorrichtung für Hochgeschwindigkeitsstaubsaugermotor

Title (fr)

Séparateur d'aspirateur pour moteur d'aspirateur haute vitesse

Publication

EP 2196125 A3 20130918 (EN)

Application

EP 09468012 A 20091207

Priority

SI 200800302 A 20081209

Abstract (en)

[origin: EP2196125A2] A vacuum cleaner separator (1) for vacuum cleaner high-speed motor, preferably for a household vacuum cleaner consists of a central revolved surface portion (2) comprising a basic cylindrical segment (3) extending on the side of a turbine wheel (4), wherein said revolved surface portion (2) is provided with blades (9). The vacuum cleaner separator (1) is characterised by the fact that said revolved surface portion (2) is extended in axial direction with a segment (5) formed as a lateral surface area with said segment (3) of the coaxially running truncated cone, which is in contact with said segment (3) with the side having a smaller diameter and that said blades (9) extend to said segment (5). External edges (10) of said blades (9) are arranged on an apparent lateral surface area of the truncated cone, whose larger diameter lies adjacent to said turbine wheel (4). Said blades (9) are linked with each other on the side of said turbine wheel (4) by a sealing ring (11) lying within an opening (12) of a casing (13) of said turbine wheel (4).

IPC 8 full level

A47L 9/10 (2006.01)

CPC (source: EP)

A47L 9/102 (2013.01)

Citation (search report)

- [X] EP 0890335 A1 19990113 - VETRELLA SPA [IT]
- [X] EP 1475028 A2 20041110 - GISOWATT S P A IND ELETTRODOME [IT]
- [A] WO 0019881 A1 20000413 - JETFAN AUSTRALIA PTY LTD [AU], et al
- [A] EP 1426093 A2 20040609 - PROAIR GERAETEBAU GMBH [DE]

Cited by

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Designated contracting state (EPC)

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)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 09468012 A 20091207; SI 200800302 A 20081209