

Title (en)

Vacuum cleaner, cyclone separator and cyclone for vacuum cleaner

Title (de)

Staubsauger sowie Zyklonabscheidevorrichtung und Zyklon für einen Staubsauger

Title (fr)

Aspirateur, séparateur cyclonique et cyclone pour aspirateur

Publication

**EP 1656872 A3 20070502 (DE)**

Application

**EP 05020201 A 20050916**

Priority

DE 102004056076 A 20041112

Abstract (en)

[origin: EP1656872A2] A cyclone (42) located upstream of the filter element (56) includes a dip (or riser) pipe (48) connecting them (42, 56). The filter element is above the cyclone and in a variant, the pipe (48) widens like a funnel, above the cyclone. More than one cyclone may be included. A mechanical cleaning system is provided for the filter; this is electrically- or pneumatically operated. The cyclone design is elaborated and claimed separately.

IPC 8 full level

**A47L 9/16** (2006.01); **A47L 9/20** (2006.01)

CPC (source: EP)

**A47L 9/102** (2013.01); **A47L 9/1608** (2013.01); **A47L 9/1666** (2013.01); **A47L 9/20** (2013.01)

Citation (search report)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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