

Title (en)

Water filtration vacuum cleaner apparatus having sloping baffle

Title (de)

Staubsauger mit Flüssigkeitsfilter und mit einer schrägen Luftleitfläche

Title (fr)

Aspirateur à bain de liquide avec un déflecteur incliné

Publication

EP 1707098 A3 20070711 (EN)

Application

EP 06003775 A 20060224

Priority

CN 200520070275 U 20050329

Abstract (en)

[origin: EP1707098A2] A water filtration vacuum cleaner apparatus having a sloping baffle, comprising a liquid container (10) removable from a cleaner housing (5) for keeping water and collecting dust, having at least one bending tube for conveying the dust-laden airflow into the liquid container (10), characterized in that the liquid container (10) is provided with an inwardly sloping wall (21), adjacent to the sloping wall there is a vertical baffle (6) and attached to the vertical baffle (6) there is a sloping baffle (7). The dust-laden airflow rushes into the water in the liquid container (10) along the bending tube to form a mixture of water and air B, most of which undergoes a rotary motion along the sloping wall (21) of the liquid container (10), the vertical baffle (6) and the sloping baffle (7), making the water and the dust mixing sufficiently; and part of the mixture of water and air and water pieces produced by the above process undergoes a second rotary mixing motion under the lower part of the vertical baffle (6) and the sloping baffle (7), causing the dust in the air dissolved or collected in water sufficiently

IPC 8 full level

A47L 9/18 (2006.01); **A47L 5/36** (2006.01)

CPC (source: EP)

A47L 5/362 (2013.01); **A47L 9/18** (2013.01); **A47L 9/181** (2013.01); **A47L 9/185** (2013.01); **A47L 9/187** (2013.01)

Citation (search report)

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- [A] GB 576851 A 19460423 - DOUGLAS NIELD
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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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