

Title (en)

Pre-filter device for a cleaning apparatus, suction device comprising said filter device and relative pre-filtering method

Title (de)

Vorfiltervorrichtung für eine Reinigungsvorrichtung, Ansaugvorrichtung mit der Filtervorrichtung und entsprechendes Vorfilterverfahren

Title (fr)

Dispositif pré-filtre pour un appareil de nettoyage, dispositif d'aspiration comprenant ledit dispositif pré-filtre et procédé de pré-filtrage relatif

Publication

EP 2095753 A1 20090902 (EN)

Application

EP 09153729 A 20090226

Priority

IT UD20080043 A 20080229

Abstract (en)

Pre-filter device for air and dust for a cleaning apparatus, able to be positioned at the entrance to a filter unit (12) of a suction device for air and dust. The pre-filter device comprises a shaped hollow body having a first portion (11) for the entrance of a stream of air and dust, a second treatment portion (13), disposed downstream of the first portion (11) and a third portion (15) disposed downstream of the second portion (13), through which the stream of air and dust exits. The second portion (13) is provided with introduction means (17) to introduce a jet (20) of gas or steam suitable to hit the stream of air and dust. The second portion (13), at least in correspondence with the introduction means (17, 19), has a passage section bigger than the passage section of the first portion (11), so as to determine, during normal use, a slowing down of the speed of the stream of air and dust and so as to increase the contact time between the jet (20) and the stream of air and dust.

IPC 8 full level

A47L 9/10 (2006.01); **A47L 9/18** (2006.01)

CPC (source: EP)

A47L 9/102 (2013.01); **A47L 9/183** (2013.01)

Citation (applicant)

EP 1074213 A1 20010207 - COMMITAL SAMI SPA [IT]

Citation (search report)

- [X] EP 0768058 A2 19970416 - T P A IMPEX SPA [IT]
- [Y] WO 2004062455 A1 20040729 - GLUHAIJIC VASO [YU], et al
- [XY] FR 2901684 A1 20071207 - CURIEN GERARD [FR]
- [XY] DE 19838258 A1 20000316 - KLOEBER MARTIN [DE], et al
- [XY] EP 1034733 A1 20000913 - S I EL S R L [IT]
- [AY] EP 1074213 A1 20010207 - COMMITAL SAMI SPA [IT]
- [AY] WO 03096864 A1 20031127 - COMMITAL SAMI SPA [IT], et al

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CN103452625A

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2095753 A1 20090902; IT UD20080043 A1 20090901

DOCDB simple family (application)

EP 09153729 A 20090226; IT UD20080043 A 20080229