

Title (en)
ODOUR AND/OR PARTICLE FILTER

Title (de)
GERUCHS- UND/ODER PARTIKELFILTER

Title (fr)
FILTRE A ODEURS ET/OU PARTICULES

Publication
EP 0893963 A1 19990203 (DE)

Application
EP 97906810 A 19970301

Priority

- DE 19612937 A 19960401
- DE 19650749 A 19961206
- EP 9701031 W 19970301

Abstract (en)
[origin: WO9736534A1] The invention relates primarily to a vacuum cleaner with an aspirator in a vacuum cleaner housing and an odour and/or particle filter (4) placed in front of the aspirator, said aspirator having a substantially rectangular cavity (6) for the filter (4). The invention secondarily relates to an odour and/or particle filter for a vacuum cleaner in question. In order to achieve a suction flow with minimum filter bypassing when correctly using a suction cross section with regard to a filter to be inserted, even if the aspirating hole is arranged offset to the centre of the cavity, it is proposed that an aspirating hole (10) in the cavity (6) is arranged offset to the plan in the direction of a longitudinal edge (B) and a corner of the rectangle, that the longitudinal edge (B) has a slightly concave profile, that the filter (4) is designed to be flexible like a cushion and, particularly as regards the concave edge (B), to have a slight oversize, preferably for its geometrical adaptation to the profile of the edge (B), and also that the filter (4) has, in an overall substantially rectangular plan, one of the long sides (B') and/or one of the narrow sides (C') which is (are) concave.

IPC 1-7
A47L 9/12

IPC 8 full level
A47L 9/10 (2006.01); **A47L 9/12** (2006.01)

CPC (source: EP)
A47L 9/12 (2013.01); **A47L 9/122** (2013.01)

Citation (search report)
See references of WO 9736534A1

Cited by
US7582142B2

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
WO 9736534 A1 19971009; AT E217774 T1 20020615; EP 0893963 A1 19990203; EP 0893963 B1 20020522; ES 2174222 T3 20021101

DOCDB simple family (application)
EP 9701031 W 19970301; AT 97906810 T 19970301; EP 97906810 A 19970301; ES 97906810 T 19970301