

Title (en)
Separator unit for liquid bath vacuum cleaners

Title (de)
Trennvorrichtung für Staubsauger mit Flüssigkeitsbad

Title (fr)
Séparateur pour aspirateur à bain de liquide

Publication
EP 0890335 A1 19990113 (EN)

Application
EP 98112228 A 19980702

Priority
IT UD970121 A 19970710

Abstract (en)
Separator unit for liquid bath vacuum cleaners used for separating from the introduced air the particles of dirt and/or dust sucked with drops of water, the separator unit comprising at least a hollow body shaped like a truncated cone assembled on the drive shaft (11) of the intake assembly of the vacuum cleaner, the hollow body including laterally a plurality of longitudinal slits (21) to discharge the introduced particles of dirt/dust and/or drops of liquid, the separator unit comprising a disk-shaped supporting element (13) axially holed and keyed onto the drive shaft (11), the supporting element (13) being coupled with the hollow body (12) by means of a peripheral edge (17) with a tooth (17a) to couple with the upper edge of the hollow body (12), the supporting element (13) including a plurality of radial apertures (24) for the passage of the ingested air and a plurality of discharge slits (27) made radially on the portion of the peripheral edge (17) which defines the tooth (17a). <IMAGE>

IPC 1-7
A47L 9/18

IPC 8 full level
A47L 9/18 (2006.01)

CPC (source: EP)
A47L 9/188 (2013.01)

Citation (search report)
[XA] WO 9203210 A1 19920305 - REXAIR INC [US]

Cited by
WO2011110971A1; EP2196125A3; EP1475028A3; EP1426093A3; EP2883572A1; EP2364633A1; EP1284803A4; EP1426004A3; EP2196125A2; EP2468164A1; US7251855B2; WO2020124332A1; WO2008153506A1; EP3900601A4; JP2022515395A; US9554682B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IT LI NL PT SE

DOCDB simple family (publication)
EP 0890335 A1 19990113; EP 0890335 B1 20030521; AT E240678 T1 20030615; DE 69814747 D1 20030626; DE 69814747 T2 20040219; ES 2193442 T3 20031101; IT 1295163 B1 19990430; IT UD970121 A1 19990110; PT 890335 E 20030829

DOCDB simple family (application)
EP 98112228 A 19980702; AT 98112228 T 19980702; DE 69814747 T 19980702; ES 98112228 T 19980702; IT UD970121 A 19970710; PT 98112228 T 19980702