

Title (en)

HEAD FOR A DUST VACUUM CLEANER

Title (de)

STAUBSAUGERMUNDSTÜCK

Title (fr)

TETE D'ASPIRATEUR A POUSSIERE

Publication

EP 1314388 A1 20030528 (EN)

Application

EP 01963008 A 20010801

Priority

- ES 0100311 W 20010801
- ES 0000298 W 20000801

Abstract (en)

It comprises a central hollow body (12c) including a central part (10c) of the open chamber connected to a negative pressure source and at least two side hollow bodies (12a, 12b) joined to both sides of central hollow body (12c) by a hinge (13) which admits rotations with respect to a common axis substantially normal to the surface to be treated. The central part (10c) of the open chamber (10c) has an opening (14) at the hinging area (13) and side hollow bodies (12a, 12b) comprise respective side parts (10a, 10b) of the open chamber communicated with the said opening (14) of central part (10c) of the open chamber through the said hinge (13). Thus, the sucking front has a variable geometry and comprises, by means of the said three side and central part (10a, 10b, 10c) of the open chamber the two side and central hinge (13) of the head. <IMAGE>

IPC 1-7

A47L 9/02

IPC 8 full level

A47L 9/02 (2006.01)

CPC (source: EP US)

A47L 9/02 (2013.01 - EP US)

Citation (search report)

See references of WO 0211596A1

Cited by

AT413789B; GB2407260A; GB2407260B; EP2823745A1; CN104274124A; GB2407259A; GB2407259B; RU2672501C2; US11678779B2; DE10345963A1; ES2265711A1; US11607096B2; US9681785B2; WO2015067919A1; WO2015150084A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1314388 A1 20030528; EP 1314388 B1 20061102; AT E343955 T1 20061115; AU 6444000 A 20020218; AU 8406301 A 20020218; BR 0113082 A 20030624; DE 60124266 D1 20061214; DE 60124266 T2 20070531; ES 2275715 T3 20070616; MX PA03000932 A 20040802; PT 1314388 E 20070228; US 2004025289 A1 20040212; WO 0211595 A1 20020214; WO 0211596 A1 20020214

DOCDB simple family (application)

EP 01963008 A 20010801; AT 01963008 T 20010801; AU 6444000 A 20000801; AU 8406301 A 20010801; BR 0113082 A 20010801; DE 60124266 T 20010801; ES 0000298 W 20000801; ES 0100311 W 20010801; ES 01963008 T 20010801; MX PA03000932 A 20010801; PT 01963008 T 20010801; US 34349303 A 20030804