

Title (en)
Liquid bath suction cleaner with rotating separator

Title (de)
Drehbarer Abscheider für Staubsauger mit Flüssigkeitsbad

Title (fr)
Aspirateur à bain de liquide muni d'un séparateur rotatif

Publication
EP 1219223 A2 20020703 (EN)

Application
EP 01101592 A 20010125

Priority
IT MI20002868 A 20001229

Abstract (en)
Liquid-assisted suction cleaner (10) with a separator (40) rotating at high speed, of a truncated-cone shaped structure formed of a number of radial helical vanes (41), slightly concave externally, whose width and thickness decrease from a thick ring (50), forming the greater base (47), to the smaller base (48) with a flat bottom (51), said vanes being held firm by an internal ring (49), said separator being preferably constructed in one single piece of plastic material, balanced by adjustment, in the die used to mould it, of the depth of cavities (56, 57) made in the thick ring (50) and in the bottom (51), a coat of epoxy paint being applied inside and outside to prevent formation of humid areas that would lead to variations in dimensions that in turn would be the cause of vibrations. <IMAGE>

IPC 1-7
A47L 9/18

IPC 8 full level
A47L 7/00 (2006.01); **A47L 9/18** (2006.01)

CPC (source: EP)
A47L 7/0004 (2013.01); **A47L 9/181** (2013.01); **A47L 9/188** (2013.01)

Cited by
EP2468164A1; WO2011110971A1; IT201700072901A1; EP1426004A3; EP2138083A1; EP2901907A1; EP1674020A3; ITMI20102402A1; US7442219B2; EP2364633A1; CN102188207A; EP2196125A2; US11395570B2; US7251855B2; JP2022522046A; WO2021177901A1; WO2020124335A1; WO2008153506A1; US7731769B2; US9554682B2; JP2013521848A

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 1219223 A2 20020703; IT 1319737 B1 20031103; IT MI20002868 A1 20020629

DOCDB simple family (application)
EP 01101592 A 20010125; IT MI20002868 A 20001229