

Title (en)
VACUUM CLEANER HAVING TWO EXPANDED POLYPROPYLENE SHELLS

Title (de)
STAUBSAUGER MIT ZWEI SCHALEN AUS EXPANDIERTEM POLYPROPYLEN

Title (fr)
ASPIRATEUR AVEC DEUX COQUES EN POLYPROPYLENE EXPANSE

Publication
EP 1981386 B1 20180117 (FR)

Application
EP 07730843 A 20070123

Priority
• FR 2007000123 W 20070123
• FR 0600952 A 20060202

Abstract (en)
[origin: WO2007088260A1] The invention concerns a vacuum cleaner (100) comprising a lower body (200) and an upper body (400) enclosing in particular a motor fan unit and a waste separating device. The invention is characterized in that: the lower body (200) and the upper body (400) are made of expanded polypropylene, at least one so-called upper rigid part (190) is supported on the upper body (400), or is secured to the upper body, at least one so-called lower rigid part (152, 162) is supported on the lower body (200), or is secured to the lower body, at least one rigid linking element (150, 160, 194, 520) is mechanically linked to at least one upper part (190) and to one lower part (152, 162) passing through the upper body (400) and the lower body (200) so as to maintain by compression the upper (400) and lower (200) bodies.

IPC 8 full level
A47L 5/24 (2006.01); **A47L 5/00** (2006.01)

CPC (source: EP US)
A47L 5/362 (2013.01 - EP US); **A47L 9/009** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2896679 A1 20070803; FR 2896679 B1 20080314; CN 101378686 A 20090304; EP 1981386 A1 20081022; EP 1981386 B1 20180117; JP 2009525100 A 20090709; RU 2008135437 A 20100310; RU 2414843 C2 20110327; US 2011131755 A1 20110609; WO 2007088260 A1 20070809

DOCDB simple family (application)
FR 0600952 A 20060202; CN 200780004307 A 20070123; EP 07730843 A 20070123; FR 2007000123 W 20070123; JP 2008552841 A 20070123; RU 2008135437 A 20070123; US 16149707 A 20070123