

Title (en)
Vacuum cleaner

Title (de)
Staubsauger

Title (fr)
Aspirateur

Publication
EP 2042072 A3 20100901 (EN)

Application
EP 08253105 A 20080923

Priority
• JP 2007255052 A 20070928
• JP 2008239502 A 20080918

Abstract (en)
[origin: EP2042072A2] An upstream-side hose 11 is in the contracted state when in the natural length and can be stretched by an external force, and, at least when in the contracted state, can be accommodated in an extension pipe unit 6. The upstream part of the upstream-side hose 11 is connected to the downstream part of the extension pipe unit 6. A downstream-side hose 12, of which the contractive property when exposed to a negative pressure from a motor fan is smaller than that of the upstream-side hose 11, is connected to the downstream part of the upstream-side hose 11. A securing means 33 that is capable of maintaining the upstream-side hose 11 in the extended state is provided. When cleaning is performed, the securing means 33 maintains the upstream-side hose 11 in the extended state. Ease of cleaning is facilitated by preventing contraction of the upstream-side hose 11 due to negative pressure from the motor fan 2 or other force during cleaning. When stowing away the vacuum cleaner, the entire length of the pipe assembly 4 can be minimized by stowing the upstream-side hose 11 in the contracted state in the extension pipe unit 6, enabling the vacuum cleaner to be stowed easily and neatly.

IPC 8 full level
A47L 9/00 (2006.01); **A47L 9/24** (2006.01)

CPC (source: EP)
A47L 9/00 (2013.01); **A47L 9/248** (2013.01)

Citation (search report)
• [A] WO 2004096002 A1 20041111 - SMITHS GROUP PLC [GB], et al
• [A] EP 1764021 A1 20070321 - IMETEC SPA [IT]
• [E] EP 2065168 A1 20090603 - TIGERS POLYMER [JP]

Cited by
DE102009026748B4; CN103027637A; US8943646B2; WO2013045888A1; US9066644B2; US9339161B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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