

Title (en)

Dust collection indicator for vacuum cleaners.

Title (de)

Staubfüllanzeigevorrichtung für Staubsauger.

Title (fr)

Indicateur de remplissage du sac à poussière d'un aspirateur.

Publication

EP 0430146 B1 19950201 (EN)

Application

EP 90122569 A 19901126

Priority

- JP 6318890 A 19900314
- JP 14111290 A 19900529
- JP 30701289 A 19891127

Abstract (en)

[origin: EP0430146A1] A dust collection indicator (29) for a vacuum cleaner includes a valve (36) for separating the atmospheric pressure and a vacuum pressure which is developed while a motor fan (24) of the vacuum cleaner is driven. The valve is (29) deformable by a differential pressure created between the vacuum pressure and the atmospheric pressure so as to displace first and second pointers (31, 32) in a direction away from the atmospheric pressure side without causing leakage of air during displacement of the pointers (31, 32), thus preventing undue reduction of the suction force. The pressure at which the valve (36) starts deforming can be set to a level closer to the atmospheric pressure than the level as obtained by the conventional indicator, so that the pointers (31, 32) are displaced substantially in proportion to the quantity of dust being collected in a dust bag (22). This arrangement enables the user to recognize the current quantity of dust accumulated in the vacuum cleaner at all times.
<IMAGE>

IPC 1-7

A47L 9/19

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1615537A4; EP0468282A1; EP1452118A3; EP2623008A4; CN114365980A; US7418763B2

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