

Title (en)  
Vacuum cleaner and controlling method of the same

Title (de)  
Staubsauger und Steuerverfahren dafür

Title (fr)  
Aspirateur et son procédé de commande

Publication  
**EP 1859719 A3 20120725 (EN)**

Application  
**EP 07101387 A 20070130**

Priority  
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Abstract (en)  
[origin: EP1859719A2] A vacuum cleaner that includes a dust collector (200) forming a dust storage and a method of controlling a vacuum cleaner are provided. The vacuum cleaner includes a fixed member (320), a rotating member (310), a compressing motor (430), a counter, a signaller (830), and a controller (600). The fixed member (320) is fixed to the dust storage (220). The rotating member (310) compresses the dust through interaction with the fixed member (320). The compressing motor (430) drives the rotating member (310). The counter measures a moving time of the rotating member. The signaller (830) issues a dust empty signal. The controller (600) operates the signaller when a measured moving time is less than a reference time. In the method, dust in the dust collector is compressed by the rotating member (310). A quantity of the compressed dust is determined. A signal to empty the compressed dust to an outside of the vacuum cleaner is issued when the quantity exceeds a predetermined amount.

IPC 8 full level  
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CPC (source: EP)  
**A47L 9/108** (2013.01); **A47L 9/19** (2013.01)

Citation (search report)  
• [IA] JP S58175532 A 19831014 - TOKYO ELECTRIC CO LTD  
• [I] DE 3242929 A1 19840524 - VORWERK CO INTERHOLDING [DE]

Cited by  
US11497366B2; CN112013923A; CN110840329A; CN102210574A; EP2173227A4; WO2009011482A1

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