

Title (en)  
Dust collector

Title (de)  
Staubsammler

Title (fr)  
Collecteur de poussière

Publication  
**EP 1743561 A2 20070117 (EN)**

Application  
**EP 06014399 A 20060711**

Priority  
JP 2005203207 A 20050712

Abstract (en)  
A dust collector which can brush off dust in a primary filter (15) automatically. A bag-shaped pre-filter (15) is installed on an upper opening of a tank (2) of a dust collector (1), and a powder filter (17) protruding towards an inner portion of the pre-filter (15) so as to partition a main body (4) and a suction tube (13), is installed over the upper opening of the tank (2) on an inner side of the pre-filter (15). A damper (22) corresponding to a plate-shaped sponge is interposed between the pre-filter (15) and the powder filter (17) in such a manner as to cover an inner side surface of the pre-filter (15) over its entire periphery. In accordance with contraction and restoration motion of the pre-filter (15) and of the damper (22) that result from operation and cessation of operation, dust attached to the pre-filter (15) can be brushed off.

IPC 8 full level  
**A47L 9/20** (2006.01); **A47L 5/36** (2006.01); **A47L 9/12** (2006.01); **A47L 9/14** (2006.01)

CPC (source: EP)  
**A47L 5/365** (2013.01); **A47L 9/125** (2013.01); **A47L 9/20** (2013.01)

Citation (applicant)

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- US 5690710 A 19971125 - STEPHAN PAUL F [US]
- US 4297114 A 19811027 - HUTCHINS ALMA A

Cited by  
CN115999771A; CN107981781A

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DOCDB simple family (publication)  
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