

Title (en)  
Dust collector

Title (de)  
Staubsammler

Title (fr)  
Collecteur de poussière

Publication  
**EP 1743561 B1 20121017 (EN)**

Application  
**EP 06014399 A 20060711**

Priority  
JP 2005203207 A 20050712

Abstract (en)  
[origin: EP1743561A2] 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  
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CPC (source: EP)  
**A47L 5/365** (2013.01); **A47L 9/125** (2013.01); **A47L 9/20** (2013.01)

Cited by  
CN107981781A; CN115999771A

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DE FR GB

DOCDB simple family (publication)  
**EP 1743561 A2 20070117**; **EP 1743561 A3 20080109**; **EP 1743561 B1 20121017**; JP 2007021291 A 20070201; JP 4699825 B2 20110615

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