

Title (en)

Cyclone unit and contaminants-collecting apparatus having the same

Title (de)

Zykloneneinheit und Schadstoffsammelvorrichtung dieselbe enthaltend

Title (fr)

Unité cyclonique et collecteur de poussière comprenant la même

Publication

**EP 1743560 B1 20090107 (EN)**

Application

**EP 06291117 A 20060706**

Priority

- US 69844905 P 20050712
- KR 20050074952 A 20050816
- US 75717106 P 20060106
- KR 20060016034 A 20060220

Abstract (en)

[origin: EP1743560A2] The present invention relates to a cyclone unit (170) and a contaminants-collecting apparatus (100) having the same. The cyclone unit (170) includes a cylindrical body (171) disposed inside a dust-collecting receptacle (110); at least one supporting bracket (175) extending from an outer circumferential surface of the cylindrical body (171) to an inner circumferential surface of the dust collecting receptacle (110) to support the cylindrical body (171) and to separate the cylindrical body (171) from the inner circumferential surface of the dust-collecting receptacle (110); and an air inlet pipe (173) having one end in fluid communication with the air inlet port (111) of the dust-collecting receptacle (110) and the other end in fluid communication with the cylindrical body (171) in a tangential direction.

IPC 8 full level

**A47L 9/16** (2006.01); **A47L 5/28** (2006.01)

CPC (source: EP)

**A47L 5/28** (2013.01); **A47L 9/1608** (2013.01); **A47L 9/165** (2013.01); **A47L 9/1683** (2013.01)

Cited by

EP2189096A3; EP2983572A4; CN110477801A; GB2480563A; GB2480563B; US7597730B2; US10517449B2; US11484164B2; EP2389849B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1743560 A2 20070117**; **EP 1743560 A3 20070502**; **EP 1743560 B1 20090107**; AU 2006202905 A1 20070201; AU 2006202905 B2 20080710; JP 2007021183 A 20070201

DOCDB simple family (application)

**EP 06291117 A 20060706**; AU 2006202905 A 20060707; JP 2006142770 A 20060523