

Title (en)

A multi cyclone dust collector for a vacuum cleaner

Title (de)

Multizyklon-Staubsaugler für einen Staubsauger

Title (fr)

Collecteur poussière à cyclones multiples pour un aspirateur

Publication

**EP 1774890 A2 20070418 (EN)**

Application

**EP 06291062 A 20060627**

Priority

- US 72560905 P 20051011
- KR 20050102615 A 20051028
- KR 20060011668 A 20060207

Abstract (en)

A multi-cyclone dust collector including at least one first cyclone (10) forcing contaminants-laden air that is entered into a lower portion (22) of the at least one first cyclone (10) to whirl so as to centrifugally separate contaminants from the contaminants-laden air; and at least one second cyclone (60) being disposed around the at least one first cyclone (10), the at least one second cyclone (60) forcing semi-clean air that is discharged from the at least one first cyclone (10) and is entered into a lower portion of the at least one second cyclone (60) to whirl so as to centrifugally separate fine contaminants from the air.

IPC 8 full level

**A47L 9/16** (2006.01); **B04C 5/13** (2006.01)

CPC (source: EP)

**A47L 9/1625** (2013.01); **A47L 9/1641** (2013.01); **A47L 9/165** (2013.01); **A47L 9/1658** (2013.01); **A47L 9/1683** (2013.01); **B04C 5/13** (2013.01); **B04C 5/185** (2013.01); **B04C 5/26** (2013.01)

Citation (applicant)

- US 2005102615 A1 20050512 - ROMAN MANUEL [US], et al
- EP 0018197 A1 19801029 - DYSON JAMES

Cited by

EP2189096A3; AU2008313528B2; AU2008313528C1; AU2012241548B2; EP2201875A3; EP1837079A1; GB2436281B; CN102973205A; US8375509B2; US9237834B2; US8062398B2; US9451859B2; US8931136B2; WO2009050430A1; WO2012140450A1; WO2018077497A1; US9414730B2; US9918602B2; US10750916B2

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