

Title (en)  
Vacuum cleaner having primary and secondary cyclone units

Title (de)  
Staubsauger mit primärer und sekundären Zykloneinheiten

Title (fr)  
Aspirateur avec unités cycloniques primaires et secondaires

Publication  
**EP 1857032 B1 20120516 (EN)**

Application  
**EP 06125823 A 20061211**

Priority  
• KR 20060044362 A 20060517  
• KR 20060044359 A 20060517

Abstract (en)  
[origin: EP1857032A2] A vacuum cleaner (10) is provided. The vacuum cleaner (10) includes a main body (100) in which a suction generating unit is disposed, a dust collection unit (200) detachably mounted on a front portion of the main body (100) and having a primary cyclone unit for separating dusts contained in air, a secondary cyclone unit (300) provided in the main body (100), and a discharge unit (120) formed in the main body (100) to discharge air whose dusts are separated at the secondary cyclone unit (300) out of the main body (100).

IPC 8 full level  
**A47L 5/36** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP)  
**A47L 5/362** (2013.01); **A47L 9/1625** (2013.01); **A47L 9/1641** (2013.01)

Cited by  
US7987551B2; GB2506307B; GB2454690A; AU2008359307B2; EP3247251A4; US7882592B2; US10492652B2; WO2016117893A1; US7958598B2; US7992253B2; US7998234B2; US8959707B2; US9974421B2; US8646148B2; US8707507B2

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**EP 1857032 A2 20071121**; **EP 1857032 A3 20090715**; **EP 1857032 B1 20120516**; AU 2006249291 A1 20071206; AU 2006249291 B2 20090226; JP 2007307352 A 20071129; JP 4444946 B2 20100331; RU 2328961 C1 20080720

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**EP 06125823 A 20061211**; AU 2006249291 A 20061211; JP 2006333719 A 20061211; RU 2006143773 A 20061211