

Title (en)  
Dust collecting apparatus for vacuum cleaner

Title (de)  
Staubsaammelvorrichtung für einen Staubsauger

Title (fr)  
Appareil de collecte de poussière pour aspirateur

Publication  
**EP 1987758 A2 20081105 (EN)**

Application  
**EP 08000808 A 20080117**

Priority  
• US 92683207 P 20070430  
• KR 20070059502 A 20070618

Abstract (en)  
A dust collecting apparatus for a vacuum cleaner is provided that includes a dust collecting unit (10), detachably mounted in a main body of the vacuum cleaner. The dust collecting unit (10) comprises an inlet and an exhaust port; a cover (20) to open and close an upper part of the dust collecting unit (10); a dust compression plate (30) capable of upward and downward movement inside the dust collecting unit (10); and a plunger (40) which penetrates the cover (20). One end of the plunger (40) is attached to the dust compression plate (30) by a hinge (50) so that the dust compression plate (30) moves upwardly and downwardly when dust compression is being performed, and the plunger (40) is retracted and folded down toward the cover (20) about one end of the plunger (40) when dust compression is not being performed.

IPC 8 full level  
**A47L 9/10** (2006.01)

CPC (source: EP US)  
**A47L 9/108** (2013.01 - EP US)

Citation (applicant)  
• JP S5499355 A 19790806 - TOKYO ELECTRIC CO LTD  
• JP S5451260 A 19790421 - TOKYO ELECTRIC CO LTD

Cited by  
CN109645895A; US2010192776A1; EP2471428A3; US8701244B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1987758 A2 20081105**; CA 2618091 A1 20081030; US 2008263815 A1 20081030

DOCDB simple family (application)  
**EP 08000808 A 20080117**; CA 2618091 A 20080121; US 90407007 A 20070926