

Title (en)  
Automatic cleaning device

Title (de)  
Automatische Reinigungsvorrichtung

Title (fr)  
Dispositif de nettoyage automatique

Publication  
**EP 1719442 A3 20090506 (EN)**

Application  
**EP 05028563 A 20051228**

Priority  
KR 20050037628 A 20050504

Abstract (en)  
[origin: EP1719442A2] Disclosed herein is an automatic cleaning device having a dirt receptacle sensor unit (30) to sense the presence of a dirt receptacle (20). The dirt receptacle (20) is detachably mounted in an installation chamber (10) defined in a body (2) of the automatic cleaning device.

IPC 8 full level  
**A47L 9/14** (2006.01)

CPC (source: EP KR US)  
**A47L 9/1436** (2013.01 - EP US); **A47L 9/1472** (2013.01 - EP US); **A47L 9/28** (2013.01 - KR); **A47L 11/00** (2013.01 - KR);  
**A47L 2201/00** (2013.01 - EP US)

Citation (search report)

- [XAY] GB 2371216 A 20020724 - SHARP KK [JP]
- [Y] DE 19725990 A1 19981224 - VORWERK CO INTERHOLDING [DE]

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EP2417894A4; EP2417893A4; EP3403561A1; EP2815687A1; EP3236827A4; AU2020204599B2; EP2636351A1; US8874268B2; US10945578B2; US9549649B2; US10463215B2; US10595692B2; US11969139B2; EP2417894B1; EP2636351B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1719442 A2 20061108**; **EP 1719442 A3 20090506**; **EP 1719442 B1 20130424**; CN 100438813 C 20081203; CN 1857149 A 20061108; KR 100704484 B1 20070409; KR 20060115220 A 20061108; RU 2006100288 A 20070720; RU 2308868 C1 20071027; US 2006248676 A1 20061109

DOCDB simple family (application)  
**EP 05028563 A 20051228**; CN 200610003667 A 20060109; KR 20050037628 A 20050504; RU 2006100288 A 20060110; US 31849405 A 20051228