

Title (en)  
ELECTRIC VACUUM CLEANER

Title (de)  
ELEKTRISCHER STAUBSAUGER

Title (fr)  
ASPIRATEUR ÉLECTRIQUE

Publication  
**EP 2692271 A4 20141008 (EN)**

Application  
**EP 12763029 A 20120328**

Priority  
• JP 2011070745 A 20110328  
• JP 2012058215 W 20120328

Abstract (en)  
[origin: EP2692271A1] An electric vacuum cleaner includes a cleaner main body housing an electric blower (18). The electric vacuum cleaner includes an air passage communicating with a suction side of the electric blower(18). The electric vacuum cleaner includes a floor brush (23) which is movable on a surface to be cleaned, and partitioning a part of the air passage. The electric vacuum cleaner includes an optical sensor (53) that detects a dust amount passing through an inside of the air passage by driving of the electric blower (18). The electric vacuum cleaner includes a cleaning efficiency calculating part (59) that calculates a cleaning efficiency on the basis of an integrated amount of the dust amount detected by the optical sensor (53), a moving amount on the surface to be cleaned of the floor brush (23), and a moving time on the surface to be cleaned of the floor brush (23). The electric vacuum cleaner includes a display unit (20) which is capable of displaying the cleaning efficiency calculated by the cleaning efficiency calculating part (59).

IPC 8 full level  
**A47L 9/28** (2006.01)

CPC (source: EP KR)  
**A47L 5/36** (2013.01 - EP); **A47L 9/00** (2013.01 - KR); **A47L 9/28** (2013.01 - KR); **A47L 9/2815** (2013.01 - EP); **A47L 9/2826** (2013.01 - EP); **A47L 9/2857** (2013.01 - EP); **A47L 2201/06** (2013.01 - EP)

Citation (search report)  
• [A] US 2005166355 A1 20050804 - TANI TAKAO [JP]  
• [A] US 2005183229 A1 20050825 - UEHIGASHI NAOYA [JP]  
• See references of WO 2012133571A1

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US11076730B2

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

DOCDB simple family (publication)  
**EP 2692271 A1 20140205**; **EP 2692271 A4 20141008**; **EP 2692271 B1 20171101**; CN 103476314 A 20131225; CN 103476314 B 20151125; JP 5321869 B2 20131023; JP WO2012133571 A1 20140728; KR 101471322 B1 20141209; KR 20130115390 A 20131021; RU 2013143794 A 20150510; RU 2552763 C2 20150610; WO 2012133571 A1 20121004

DOCDB simple family (application)  
**EP 12763029 A 20120328**; CN 201280014645 A 20120328; JP 2012058215 W 20120328; JP 2012531170 A 20120328; KR 20137025205 A 20120328; RU 2013143794 A 20120328