

Title (en)  
ELECTRIC VACUUM CLEANER

Title (de)  
ELEKTRISCHER STAUBSAUGER

Title (fr)  
ASPIRATEUR ÉLECTRIQUE

Publication  
**EP 2724654 A4 20150218 (EN)**

Application  
**EP 11847895 A 20111128**

Priority  
• JP 2011140522 A 20110624  
• JP 2011077329 W 20111128

Abstract (en)  
[origin: EP2724654A1] A dust collecting device includes a first centrifugally separating part 41 for centrifugally separating dust and second centrifugally separating parts which communicate with the first centrifugally separating part 41 and centrifugally separate dust finer than that separated by the first centrifugally separating part 41. The first centrifugally separating part 41 has a case body 51 capable of housing dust and a cylindrical turning part 52 which is arranged in the case body 51 and turns air containing dust between the turning part and the case body 51. The turning part 52 includes, at its circumference, circumferential openings 65 communicating with the second centrifugally separating parts and, at its end, an end opening 74 communicating with the second centrifugally separating parts. The first centrifugally separating part 41 has a compression filter 54 provided on the end opening 74.

IPC 8 full level  
**A47L 9/16** (2006.01); **A47L 9/10** (2006.01)

CPC (source: EP KR)  
**A47L 9/108** (2013.01 - EP); **A47L 9/12** (2013.01 - KR); **A47L 9/16** (2013.01 - KR); **A47L 9/1625** (2013.01 - EP); **A47L 9/1641** (2013.01 - EP); **A47L 9/1666** (2013.01 - EP)

Citation (search report)  
• [Y] EP 1676516 A1 20060705 - LG ELECTRONICS INC [KR]  
• [Y] JP 2007282929 A 20071101 - SHARP KK  
• [Y] JP 2006346141 A 20061228 - MATSUSHITA ELECTRIC IND CO LTD  
• [Y] JP 2010227287 A 20101014 - HITACHI APPLIANCES INC  
• [Y] EP 1795102 A2 20070613 - LG ELECTRONICS INC [KR]  
• See references of WO 2012176349A1

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 2724654 A1 20140430; EP 2724654 A4 20150218; EP 2724654 B1 20161221**; CN 103648348 A 20140319; CN 103648348 B 20170308; JP 2013005921 A 20130110; JP 5770029 B2 20150826; KR 101390549 B1 20140430; KR 20130031235 A 20130328; RU 2504324 C1 20140120; WO 2012176349 A1 20121227

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**EP 11847895 A 20111128**; CN 201180071877 A 20111128; JP 2011077329 W 20111128; JP 2011140522 A 20110624; KR 20127014460 A 20111128; RU 2012130951 A 20111128