

Title (en)

VACUUM-CLEANING APPARATUS WITH VACUUM-CLEANER UNIT AND FILTER BAG

Title (de)

VORRICHTUNG ZUM STAUBSAUGEN MIT STAUBSAUGERGERÄT UND FILTERBEUTEL

Title (fr)

DISPOSITIF D'ASPIRATION COMPRENANT UN ASPIRATEUR ET UN SAC FILTRANT

Publication

EP 2613682 B1 20160831 (DE)

Application

EP 11754303 A 20110905

Priority

- DE 102010046463 A 20100924
- EP 10009351 A 20100908
- EP 2011004464 W 20110905
- EP 11754303 A 20110905

Abstract (en)

[origin: EP2428151A1] The vacuum cleaning apparatus (200) has a filter bag receiving space (210) having rigid walls, which is closed by a flap opening with a predetermined opening surface. A filter bag made of non-woven fabric material, is inserted into the filter bag receiving space. The ratio of the surface of a rectangular opening area bag receiving space at the housing portion and the surface area of the filter bag is greater than 0.70, preferably greater than 0.85, and most preferably greater than 1.0. An independent claim is included for method for inserting filter bag into filter bag receiving space.

IPC 8 full level

A47L 9/14 (2006.01)

CPC (source: EP US)

A47L 9/14 (2013.01 - EP US); **A47L 9/1454** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Cited by

EP3354178A1; WO2018141438A1

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 2428151 A1 20120314; EP 2428151 B1 20161109; AU 2011300869 A1 20130321; AU 2011300869 B2 20150924;
CN 103188977 A 20130703; CN 103188977 B 20170825; DE 102010046463 A1 20120308; DK 2428151 T3 20170213;
DK 2613682 T3 20161212; EP 2613682 A2 20130717; EP 2613682 B1 20160831; ES 2592941 T3 20161202; ES 2604637 T3 20170308;
JP 2013539397 A 20131024; JP 2015144847 A 20150813; PL 2428151 T3 20170531; PL 2613682 T3 20170228; RU 2013109769 A 20141020;
RU 2578989 C2 20160327; US 2013198994 A1 20130808; US 9554681 B2 20170131; WO 2012031734 A2 20120315;
WO 2012031734 A3 20120726

DOCDB simple family (application)

EP 10009351 A 20100908; AU 2011300869 A 20110905; CN 201180053303 A 20110905; DE 102010046463 A 20100924;
DK 10009351 T 20100908; DK 11754303 T 20110905; EP 11754303 A 20110905; EP 2011004464 W 20110905; ES 10009351 T 20100908;
ES 11754303 T 20110905; JP 2013527488 A 20110905; JP 2015062997 A 20150325; PL 10009351 T 20100908; PL 11754303 T 20110905;
RU 2013109769 A 20110905; US 201113820705 A 20110905