

Title (en)

SUCTION DEVICE FOR ELECTRIC VACUUM CLEANER, AND ELECTRIC VACUUM CLEANER WITH SAME

Title (de)

SAUGVORRICHTUNG FÜR ELEKTRISCHEN STAUBSAUGER UND ELEKTRISCHER STAUBSAUGER DAMIT

Title (fr)

DISPOSITIF D'ASPIRATION POUR ASPIRATEUR ÉLECTRIQUE, ET ASPIRATEUR ÉLECTRIQUE COMPRENANT CE DISPOSITIF

Publication

EP 2815685 A1 20141224 (EN)

Application

EP 13748956 A 20130125

Priority

- JP 2012032422 A 20120217
- JP 2013000377 W 20130125

Abstract (en)

A connecting tube portion (12) constituting a suction tool (10) is constituted by at least a first connecting tube (21) connected to a suction tool main body (11) so as to be swingable and a second connecting tube (22) rotatably coupled to the first connecting tube (21). A wheel portion (13) is attached to a lower portion of the second connecting tube (22) via a wheel attaching portion (14). A wheel supporting body (32) is attached to the wheel attaching portion (14) so as to be able to incline using a middle portion of the wheel supporting body (32) of the wheel portion (13) as a fulcrum.

IPC 8 full level

A47L 9/02 (2006.01)

CPC (source: EP)

A47L 5/28 (2013.01); **A47L 9/00** (2013.01); **A47L 9/009** (2013.01); **A47L 9/02** (2013.01)

Cited by

WO2020030452A1; EP3607862A1; RU2755884C1; US10292555B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2815685 A1 20141224; **EP 2815685 A4 20150318**; **EP 2815685 B1 20170308**; CN 104114071 A 20141022; CN 104114071 B 20160907; JP 2013165924 A 20130829; JP 6032459 B2 20161130; WO 2013121702 A1 20130822

DOCDB simple family (application)

EP 13748956 A 20130125; CN 201380009408 A 20130125; JP 2012032422 A 20120217; JP 2013000377 W 20130125