

Title (en)
FLAT BAG FOR A VACUUM CLEANER WITH AT LEAST TWO DIFFUSERS

Title (de)
FLACHBEUTEL FÜR STAUBSAUGER MIT MINDESTENS ZWEI DIFFUSOREN

Title (fr)
SAC PLAT POUR ASPIRATEUR AVEC AU MOINS DEUX DIFFUSEURS

Publication
EP 2442703 B1 20201209 (DE)

Application
EP 10728122 A 20100611

Priority
• EP 2010003524 W 20100611
• EP 09008065 A 20090619
• EP 10728122 A 20100611

Abstract (en)
[origin: EP2263508A1] The bag has diffusers (D1, D2) provided below a bag upper surface in a plane. The diffusers are formed of material strips arranged each other and/or consist of fabrics with elongated-shaped flow openings. The diffusers are arranged in the plane in an area of an inlet opening and attached at the bag upper surface with a surface of less than 10 percent, where the width of the material strips is defined by the diameter of the inlet opening. The elongated-shaped flow openings are formed parallelly and/or meander-shaped and/or zigzag-shaped.

IPC 8 full level
A47L 9/14 (2006.01)

CPC (source: EP US)
A47L 9/14 (2013.01 - EP US)

Cited by
WO2022029071A1; EP2835087A1; US11517163B2; DE202016008752U1; US10806316B2; EP3305155A1; WO2018065164A1; US10939788B2; US11678782B2; EP3219373A1; EP3219374A1; US10905299B2; EP3669734A1; EP3669735A1; WO2020127065A1; EP3219375A1; EP3219377A1; EP3219376A1; WO2017158026A1; WO2017157820A1; WO2017157822A1; WO2017157827A1; DE212017000082U1; DE212017000084U1; DE212017000080U1; EP3666360A1; US11504662B2; US11602252B2; US11896922B2

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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2263508 A1 20101222; EP 2263508 B1 20150805; AU 2010262120 A1 20120119; AU 2010262120 B2 20160107; CN 102802485 A 20121128; CN 102802485 B 20151021; DE 202010018516 U1 20170713; EP 2442703 A1 20120425; EP 2442703 B1 20201209; ES 2549756 T3 20151102; ES 2854836 T3 20210923; US 2012131890 A1 20120531; US 8702827 B2 20140422; WO 2010145783 A1 20101223

DOCDB simple family (application)
EP 09008065 A 20090619; AU 2010262120 A 20100611; CN 201080027321 A 20100611; DE 202010018516 U 20100611; EP 10728122 A 20100611; EP 2010003524 W 20100611; ES 09008065 T 20090619; ES 10728122 T 20100611; US 201013377656 A 20100611