

Title (en)

VACUUM CLEANER HAVING A DUST BAG COMPARTMENT

Title (de)

STAUBSAUGER MIT EINEM STAUBBEUTELAUFNAHMERaum

Title (fr)

ASPIRATEUR COMPORTANT UN COMPARTIMENT DE SAC À POUSSIÈRE

Publication

EP 3409164 A1 20181205 (EN)

Application

EP 17173589 A 20170530

Priority

EP 17173589 A 20170530

Abstract (en)

In a vacuum cleaner having a dust bag compartment, a wall of the dust bag compartment is provided with a three-dimensional structure for creating a distance between a dust bag and the wall, and allowing air to move in and through the three-dimensional open structure in a plurality of directions. Preferably, the three-dimensional structure includes a spacer fabric having a first two-dimensional knit fabric layer and a second two-dimensional knit fabric layer, which are interconnected via knitted spacing threads. Preferably, the three-dimensional structure is provided at least at side and bottom walls of the dust bag compartment, extending until an inlet of a fan compartment. Preferably, a thickness of the three-dimensional structure is between 5 and 25 mm.

IPC 8 full level

A47L 9/00 (2006.01)

CPC (source: EP RU)

A47L 9/00 (2013.01 - EP RU)

Citation (applicant)

US 2016273137 A1 20160922 - MUELLER STEFAN [DE], et al

Citation (search report)

- [XA] DE 8506818 U1 19860703
- [XA] DE 4014219 A1 19901122 - SIEMENS AG [DE]
- [XA] EP 2465399 A2 20120620 - KINGCLEAN ELECTRIC CO LTD [CN]
- [XA] JP S62192130 A 19870822 - HITACHI LTD

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 3409164 A1 20181205; CN 212972847 U 20210416; DE 212018000234 U1 20200107; RU 199999 U1 20201001;
WO 2018219846 A1 20181206

DOCDB simple family (application)

EP 17173589 A 20170530; CN 201890000893 U 20180528; DE 212018000234 U 20180528; EP 2018063882 W 20180528;
RU 2019144635 U 20180528