

Title (en)
VACUUM CLEANER COMPRISING HAND PROTECTION GRID

Title (de)
STAUBSAUGER MIT EINGREIFSCHUTZGITTER

Title (fr)
ASPIRATEUR POURVU D'UNE GRILLE DE PROTECTION DES MAINS

Publication
EP 2519134 B1 20190220 (DE)

Application
EP 10803068 A 20101208

Priority

- DE 102010001140 A 20100122
- DE 202009017628 U 20091230
- EP 2010069170 W 20101208

Abstract (en)

[origin: WO2011080036A1] The invention relates to a vacuum cleaner (10) comprising at least one dust chamber (11) and a fan chamber (12) which is connected to the dust chamber (11) by means of the flow channel (20); said flow channel (20) is embodied at least sectionally as an air guiding rectifier (30), the cross section of which tapers in the flow direction (16) from the inlet opening (31), aligned towards the dust chamber (11), to the outlet opening (32), aligned towards the fan chamber (12); a hand protection grid (40) is arranged in the flow channel (20) and starts, in the direction of flow (16), at the earliest in the last eighth of the tapering cross-section of the air guiding rectifier (30). This enables a structurally simple and economical vacuum cleaner (10) to be created having a hand protection grid (40) between the dust chamber (11) and fan chamber (12), said grid corresponding to the legal regulations and prevents the user from placing the hand into a dangerous area. Said protection grid also comprises an additional chamber between the dust chamber (11) and the fan chamber (12), for example, for receiving filter materials.

IPC 8 full level
A47L 9/00 (2006.01); **A47L 9/22** (2006.01)

CPC (source: EP)
A47L 9/00 (2013.01); **A47L 9/22** (2013.01)

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)
WO 2011080036 A1 20110707; DE 102010001140 A1 20110707; DE 102010001140 B4 20120315; EP 2519134 A1 20121107; EP 2519134 B1 20190220

DOCDB simple family (application)
EP 2010069170 W 20101208; DE 102010001140 A 20100122; EP 10803068 A 20101208