

Title (en)
HAND-GUIDED CYCLONE VACUUM CLEANER

Title (de)
HANDGEFÜHRTER ZYKLON-STAUBSAUGER

Title (fr)
ASPIRATEUR CYCLONIQUE GUIDÉ À LA MAIN

Publication
EP 3906831 B1 20240626 (DE)

Application
EP 21169765 A 20210422

Priority
• DE 102020112085 A 20200505
• DE 102021100074 A 20210105
• BE 202105006 A 20210105

Abstract (en)
[origin: CN113598648A] The invention relates to a handheld cyclone vacuum cleaner (100) for cleaning and caring floor surfaces. The handheld cyclone vacuum cleaner (100) comprises a drive unit (5) for generating a negative pressure for picking up a suction material by means of a suction air flow (19); a separation unit (18) for separating the suction material from the suction gas flow (19) and having a drive unit (5) for generating the suction gas flow (19), at least one first filter stage (6), a second filter stage (7) and a third filter stage (9), wherein, in a drive unit housing (15), the drive unit (5) is arranged downstream of the second filter stage (7) in the suction air flow (19) and upstream of the third filter stage (9) in the suction air flow (19), and the generated suction air flow (19) firstly passes through the first filter stage (6) and then through the second filter stage (7) and finally passes through the other filter stage (8); the suction gas flow (19) generated during the operation of the drive unit (5) flows around the drive unit (5), and the third filter stage (9) is arranged downstream of the other filter stage (8) in terms of flow. The handheld cyclone vacuum cleaner (100) also comprises an exhaust filter element.

IPC 8 full level
A47L 5/24 (2006.01); **A47L 9/12** (2006.01); **A47L 9/16** (2006.01); **A47L 9/20** (2006.01); **A47L 9/22** (2006.01)

CPC (source: CN EP)
A47L 5/24 (2013.01 - CN EP); **A47L 9/10** (2013.01 - CN); **A47L 9/122** (2013.01 - EP); **A47L 9/127** (2013.01 - EP); **A47L 9/16** (2013.01 - CN); **A47L 9/1666** (2013.01 - EP); **A47L 9/20** (2013.01 - EP); **A47L 9/22** (2013.01 - EP)

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 3906831 A1 20211110; **EP 3906831 B1 20240626**; CN 113598646 A 20211105; CN 113598648 A 20211105

DOCDB simple family (application)
EP 21169765 A 20210422; CN 202110490631 A 20210506; CN 202110491375 A 20210506