

Title (en)  
CLEANING SYSTEM AND UNLOCKING MECHANISM

Title (de)  
REINIGUNGSSYSTEM UND ENTRIEGELUNGSMECHANISMUS

Title (fr)  
SYSTÈME DE NETTOYAGE ET MÉCANISME DE DÉVERROUILLAGE

Publication  
**EP 3854281 C0 20231004 (DE)**

Application  
**EP 20214803 A 20201217**

Priority  
DE 102020101318 A 20200121

Abstract (en)  
[origin: CN113208493A] The invention relates to a cleaning system (1) for cleaning and caring for floor surfaces, comprising a vacuum cleaner (2) having a housing (3) and a fan arranged in the housing (3) for generating a vacuum for collecting dust by an air flow, the vacuum cleaner further has a suction tube (4), a suction nozzle (5) and a plug connection (6) for connecting the housing (3) to the suction tube (4) and/or to the suction nozzle (5), the plug connection (6) comprising a release mechanism (7) for locking and releasing the plug connection (6), the release mechanism (7) having a release element (8) for releasing a plug connection between the housing (3) and the suction tube (4) and/or between the housing (3) and the suction nozzle (5). The cleaning system (1) also includes a holder (9) for receiving and removing a vacuum cleaner (2), the holder (9) having a holding element (10) which holds the vacuum cleaner (2) on the release element (8) in a holding position. According to the invention, the housing (3) can be moved away from the holding position in at least two removal directions (11, 12) in order to remove the vacuum cleaner (2) from the holder (9), and the release mechanism (7) is designed to be released in a first removal direction (11) and locked in a second removal direction (12) for this purpose by means of the holding element (10) of the holder (9). The invention also relates to a release mechanism (7) for locking and releasing the plug connector (6) of the vacuum cleaner (2).

IPC 8 full level  
**A47L 5/24** (2006.01); **A47L 9/24** (2006.01); **A47L 9/28** (2006.01)

CPC (source: CN EP)  
**A47L 5/22** (2013.01 - CN); **A47L 5/225** (2013.01 - EP); **A47L 5/24** (2013.01 - EP); **A47L 9/00** (2013.01 - CN); **A47L 9/06** (2013.01 - CN); **A47L 9/242** (2013.01 - EP); **A47L 9/2873** (2013.01 - EP); **A47L 9/32** (2013.01 - CN)

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

Participating member state (EPC – UP)  
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)  
**EP 3854281 A2 20210728**; **EP 3854281 A3 20211117**; **EP 3854281 B1 20231004**; **EP 3854281 C0 20231004**; CN 113208493 A 20210806; DE 102020101318 A1 20210722; EP 4052626 A1 20220907; EP 4052626 B1 20240214; EP 4052626 C0 20240214

DOCDB simple family (application)  
**EP 20214803 A 20201217**; CN 202110072157 A 20210119; DE 102020101318 A 20200121; EP 22163552 A 20201217