

Title (en)
ROBOT VACUUM CLEANER

Title (de)
STAUBSAUGROBOTER

Title (fr)
ROBOT ASPIRATEUR

Publication
EP 3666145 B1 20230222 (FR)

Application
EP 19213619 A 20191204

Priority
FR 1872994 A 20181214

Abstract (en)
[origin: CN111317408A] An autonomous robot vacuum cleaner of the present invention includes: a main body (10); a handheld vacuum cleaner (20), the handheld vacuum cleaner (20) is arranged to be coupled with the main body (10) so as to form an autonomous robot in a coupled position and to form an autonomous handheld vacuum cleaner (20) in a decoupled position, wherein the handheld vacuum cleaner (20) includes a grip handle (21), the grip handle (21) is set to be able to move between positions: a retracted position or a deployed position, and used to lock the locking mechanism of the grip handle (21), the locking mechanism is set to hold the grip handle (21) in the retracted position to be locked on the main body (10).

IPC 8 full level
A47L 5/22 (2006.01); **A47L 5/24** (2006.01); **A47L 9/00** (2006.01); **A47L 9/32** (2006.01)

CPC (source: CN EP)
A47L 5/225 (2013.01 - EP); **A47L 5/24** (2013.01 - CN EP); **A47L 9/00** (2013.01 - CN); **A47L 9/009** (2013.01 - EP); **A47L 9/322** (2013.01 - EP); **A47L 11/24** (2013.01 - CN); **A47L 11/40** (2013.01 - CN); **A47L 11/4094** (2013.01 - CN); **A47L 2201/00** (2013.01 - EP)

Citation (examination)
EP 2649920 B1 20151007 - EGENPOWER INC [US]

Cited by
WO2022096848A1

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 3666145 A1 20200617; **EP 3666145 B1 20230222**; CN 111317408 A 20200623; CN 111317408 B 20230221; FR 3089778 A1 20200619; FR 3089778 B1 20210108

DOCDB simple family (application)
EP 19213619 A 20191204; CN 201911281584 A 20191213; FR 1872994 A 20181214