

Title (en)

AUTONOMOUS CLEANING ROBOT PROVIDED WITH A WET CLEANING DEVICE

Title (de)

AUTONOMER REINIGUNGSROBOTER, DER MIT EINER NASSREINIGUNGSVORRICHTUNG AUSGESTATTET IST

Title (fr)

ROBOT DE NETTOYAGE AUTONOME ÉQUIPÉ D'UN DISPOSITIF DE NETTOYAGE HUMIDE

Publication

EP 4088639 B1 20240228 (FR)

Application

EP 22171679 A 20220504

Priority

FR 2104901 A 20210510

Abstract (en)

[origin: CN115316882A] An autonomous cleaning robot (2) comprising a body (3); a wet cleaning device (11) movably mounted relative to the body (3) between a working position and a non-working position; and a translation drive mechanism (17) configured to translate the wet cleaning device (11) between the active and inactive positions. The translating drive mechanism (17) comprising a plurality of drive studs (18), each drive stud (18) comprising a threaded drive portion (21) configured to cooperate with a respective complementary threaded drive portion (22) provided on the wet cleaning device (11); and a motion transmission mechanism (25) configured to simultaneously drive the drive stud (18) to rotate in a first rotational direction to move the wet cleaning device (11) towards a working position and in a second rotational direction to move the wet cleaning device (11) towards a non-working position.

IPC 8 full level

A47L 11/40 (2006.01)

CPC (source: CN EP)

A47L 11/00 (2013.01 - CN); **A47L 11/28** (2013.01 - CN); **A47L 11/40** (2013.01 - CN); **A47L 11/4002** (2013.01 - CN);
A47L 11/4011 (2013.01 - CN); **A47L 11/4036** (2013.01 - CN EP); **A47L 11/4041** (2013.01 - CN); **A47L 11/4055** (2013.01 - EP);
A47L 11/4058 (2013.01 - EP); **A47L 11/4072** (2013.01 - CN); **A47L 11/4094** (2013.01 - CN); **A47L 2201/00** (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 4088639 A1 20221116; **EP 4088639 B1 20240228**; CN 115316882 A 20221111; FR 3122561 A1 20221111; FR 3122561 B1 20230324

DOCDB simple family (application)

EP 22171679 A 20220504; CN 202210500658 A 20220509; FR 2104901 A 20210510