

Title (en)
CLEANING ROBOT

Title (de)
REINIGUNGSROBOTER

Title (fr)
ROBOT DE NETTOYAGE

Publication
EP 4393367 A1 20240703 (EN)

Application
EP 22860663 A 20220827

Priority
• CN 202111000353 A 20210827
• CN 202210551234 A 20220520
• CN 2022115335 W 20220827

Abstract (en)

The present invention relates to a cleaning robot. At least a first cleaning roller brush and a second cleaning roller brush are disposed to perform beating and cleaning on garbage on a to-be-cleaned surface, which is equivalent to beating and cleaning the to-be-cleaned surface at least twice, so that a miss of garbage is effectively prevented. In addition, a high-power fan is used in combination to quickly and effectively suck garbage that is agitated by the cleaning roller brushes into a dust box, thereby greatly improving the cleaning efficiency of the cleaning robot and achieving a better cleaning effect.

IPC 8 full level

A47L 9/28 (2006.01); **A47L 5/00** (2006.01); **A47L 9/04** (2006.01); **A47L 11/18** (2006.01); **A47L 11/24** (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP US)

A47L 9/009 (2013.01 - EP); **A47L 9/0411** (2013.01 - EP); **A47L 9/0433** (2013.01 - EP); **A47L 9/0444** (2013.01 - EP); **A47L 9/0455** (2013.01 - EP);
A47L 9/0477 (2013.01 - EP); **A47L 11/18** (2013.01 - EP); **A47L 11/24** (2013.01 - EP); **A47L 11/282** (2013.01 - EP); **A47L 11/4005** (2013.01 - US);
A47L 11/4011 (2013.01 - US); **A47L 11/4013** (2013.01 - US); **A47L 11/4041** (2013.01 - EP US); **A47L 11/4066** (2013.01 - US);
A47L 11/4069 (2013.01 - EP); **A47L 11/4072** (2013.01 - EP); **A47L 2201/00** (2013.01 - EP); **A47L 2201/022** (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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4393367 A1 20240703; CN 117897081 A 20240416; US 2024277201 A1 20240822; WO 2023025317 A1 20230302

DOCDB simple family (application)

EP 22860663 A 20220827; CN 2022115335 W 20220827; CN 202280057994 A 20220827; US 202418589046 A 20240227