

Title (en)

GARBAGE COLLECTION SYSTEM OF CLEANING ROBOT

Title (de)

ABFALLSAMMELSYSTEM FÜR EINEN REINIGUNGSROBOTER

Title (fr)

SYSTÈME DE COLLECTE DE DÉCHETS D'UN ROBOT DE NETTOYAGE

Publication

EP 4111930 A4 20230104 (EN)

Application

EP 21777611 A 20210602

Priority

- CN 202110559204 A 20210521
- CN 2021097957 W 20210602

Abstract (en)

[origin: US2022369888A1] The present application provides a garbage collection system for a sweeping robot, including a base for placing the sweeping robot and a dust collecting box body connected to the base for collecting garbage in a sweeping robot storage box, an air duct is arranged in the base, and an inlet end of the air duct is aligned with the sweeping robot storage box; an inner chamber of the dust collecting box body comprises a transition chamber, a storage chamber and a power chamber, a blower is arranged in the power chamber, the power chamber communicates with the storage chamber, a dust filter element for filtering garbage is arranged in the storage chamber; a transmission channel is formed in the transition chamber.

IPC 8 full level

A47L 11/24 (2006.01); **A47L 9/00** (2006.01)

CPC (source: CN EP US)

A47L 9/00 (2013.01 - EP); **A47L 11/24** (2013.01 - CN US); **A47L 11/4013** (2013.01 - CN US); **A47L 11/4025** (2013.01 - CN); **A47L 11/4027** (2013.01 - CN US); **A47L 11/4091** (2013.01 - US); **A47L 2201/024** (2013.01 - CN EP)

Citation (search report)

- [A] EP 1806086 A2 20070711 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] US 2019335968 A1 20191107 - HARTING DAVID [US], et al
- See references of WO 2022241850A1

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)

US 2022369888 A1 20221124; EP 4111930 A1 20230104; EP 4111930 A4 20230104; EP 4111930 B1 20230830

DOCDB simple family (application)

US 202117500957 A 20211014; EP 21777611 A 20210602