

Title (en)  
SUPPORT STRUCTURE AND CLEANING DEVICE

Title (de)  
TRÄGERSTRUKTUR UND REINIGUNGSVORRICHTUNG

Title (fr)  
STRUCTURE DE SUPPORT ET DISPOSITIF DE NETTOYAGE

Publication  
**EP 4205618 A1 20230705 (EN)**

Application  
**EP 21860434 A 20210825**

Priority  
• CN 202021858243 U 20200831  
• CN 202021858229 U 20200831  
• CN 2021114529 W 20210825

Abstract (en)  
A support structure and a cleaning device. The support structure is specifically a dust bag support frame, comprising a top structure and a side structure. The top structure is formed to be connected and fixed to the body of a cleaning device. The side structure comprises: a dust bag mounting structure, a dust bag being cooperatively mounted, by means of a mounting component thereon, to the dust bag mounting structure; and a support frame air intake passage (14), which is used to place a dirty air inlet of the cleaning device and an inlet of the dust bag in communication. By means of the support structure, a disposable dust bag can be detachably mounted in a dust collecting device, and when the dust bag is full, the dust bag can be conveniently removed from the support structure.

IPC 8 full level  
**A47L 9/14** (2006.01)

CPC (source: EP US)  
**A47L 5/24** (2013.01 - EP); **A47L 9/1418** (2013.01 - US); **A47L 9/1436** (2013.01 - EP US); **A47L 9/1481** (2013.01 - US)

Citation (search report)  
See references of WO 2022042599A1

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 4205618 A1 20230705**; US 2023292971 A1 20230921; WO 2022042599 A1 20220303

DOCDB simple family (application)  
**EP 21860434 A 20210825**; CN 2021114529 W 20210825; US 202118021234 A 20210825