

Title (en)

DUST BOX, DUST BOX ASSEMBLY AND CLEANING DEVICE

Title (de)

STAUBKASTEN, STAUBKASTENANORDNUNG UND REINIGUNGSVORRICHTUNG

Title (fr)

BOÎTE À POUSSIÈRE, ENSEMBLE BOÎTE À POUSSIÈRE ET DISPOSITIF DE NETTOYAGE

Publication

**EP 4005453 A1 20220601 (EN)**

Application

**EP 20844430 A 20200722**

Priority

- CN 201921155807 U 20190722
- CN 201910765442 A 20190819
- CN 201921348366 U 20190819
- CN 2020103616 W 20200722

Abstract (en)

The present disclosure refers to a dust box, a dust box assembly and a cleaning device, wherein the dust box assembly includes a dust box and at least two fans. The dust box is formed with a holding cavity, a dust suction port and at least two air outlets, the dust suction port is connected to the holding cavity, the at least two air outlets are connected to the holding cavity. At least two fans are provided corresponding to at least two air outlets for creating an airflow that passes through the dust suction port, the holding chamber and the air outlet in sequence. (Fig. 1)

IPC 8 full level

**A47L 11/24** (2006.01); **A47L 9/00** (2006.01); **A47L 9/20** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP US)

**A47L 9/00** (2013.01 - CN); **A47L 9/0081** (2013.01 - US); **A47L 9/102** (2013.01 - EP); **A47L 9/122** (2013.01 - EP US); **A47L 9/14** (2013.01 - CN);  
**A47L 9/1409** (2013.01 - EP US); **A47L 9/1463** (2013.01 - US); **A47L 9/22** (2013.01 - EP US); **A47L 11/24** (2013.01 - CN);  
**A47L 11/4013** (2013.01 - CN US); **A47L 11/4027** (2013.01 - US); **A47L 11/4097** (2013.01 - US); **A47L 2201/00** (2013.01 - EP US)

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

DOCDB simple family (publication)

**EP 4005453 A1 20220601**; **EP 4005453 A4 20230802**; **EP 4005453 B1 20240904**; CN 111772543 A 20201016; CN 210990037 U 20200714;  
JP 2022532051 A 20220713; US 2022338690 A1 20221027; WO 2021013206 A1 20210128

DOCDB simple family (application)

**EP 20844430 A 20200722**; CN 201910765442 A 20190819; CN 201921348366 U 20190819; CN 2020103616 W 20200722;  
JP 2021564836 A 20200722; US 202017763130 A 20200722