

Title (en)

ADAPTER FRAME, ASSEMBLY, AND SUCTION DEVICE

Title (de)

ADAPTERRAHMEN, ANORDNUNG UND SAUGVORRICHTUNG

Title (fr)

CADRE ADAPTATEUR, AGENCEMENT ET DISPOSITIF D'ASPIRATION

Publication

EP 3582669 B1 20230111 (DE)

Application

EP 17716549 A 20170411

Priority

EP 2017058690 W 20170411

Abstract (en)

[origin: WO2018188734A1] The invention relates to an adapter frame (51) for attaching to a base, in particular a suction device (79), a system crate, and/or a roller board (118), and for receiving a particle collection container (2) for a cyclonic pre-separator (1). The adapter frame (51) comprises a rectangular lower face (115) and adapter frame peripheral walls (83, 84, 85, 86), which extend upwards from the lower face (115). The invention also relates to lower adapter frame coupling means (53), which are designed to provide a releasable vertically tension-resistant coupling to the base when the adapter frame (51) is placed on the base, wherein the adapter frame (51) has a container receiving area (43) on the adapter frame upper face (114) for receiving the particle collection container (2), the horizontal inner contour of said receiving area tapering towards the lower face such that the container receiving area (43) can receive and horizontally stabilize a particle collection container (2) with an outer contour which tapers towards the bottom.

IPC 8 full level

A47L 7/00 (2006.01); **A47L 9/00** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP US)

A47L 7/0095 (2013.01 - EP US); **A47L 9/009** (2013.01 - EP US); **A47L 9/1683** (2013.01 - US); **A47L 9/1691** (2013.01 - EP US); **B04C 5/185** (2013.01 - US); **B04C 11/00** (2013.01 - 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

DOCDB simple family (publication)

WO 2018188734 A1 20181018; CN 110475496 A 20191119; DK 3582669 T3 20230403; EP 3582669 A1 20191225; EP 3582669 B1 20230111; FI 3582669 T3 20230406; US 11826764 B2 20231128; US 2021114043 A1 20210422; US 2022203383 A1 20220630

DOCDB simple family (application)

EP 2017058690 W 20170411; CN 201780089541 A 20170411; DK 17716549 T 20170411; EP 17716549 A 20170411; FI 17716549 T 20170411; US 201716603314 A 20170411; US 202217697535 A 20220317