

Title (en)
SPRAY ATTACHMENT FOR DISPENSING LIQUID SUBSTANCES IN THE FORM OF A JET

Title (de)
SPRÜHAUFSATZ ZUM STRAHLENFÖRMIGEN AUSBRINGEN VON FLÜSSIGEN SUBSTANZEN

Title (fr)
DISPOSITIF DE PULVÉRISATION POUR L'APPLICATION RADIALE DE SUBSTANCES LIQUIDES

Publication
EP 3793912 B1 20221221 (DE)

Application
EP 19714172 A 20190326

Priority
• CH 6172018 A 20180517
• EP 2019057503 W 20190326

Abstract (en)
[origin: WO2019219278A1] A spray attachment for dispensing liquid substances in the form of a jet is described. The spray attachment comprises a cap (2) with an annularly encircling, closed casing (3) with a wall, on the inner side of which the outer side of the first fastening means (32) is integrally formed. The first fastening means are configured to engage in corresponding second fastening means, which may be provided on an outer wall or inner wall of a container neck. At one longitudinal end, the casing is terminated by a top surface, which has a cutout (44). Arranged in the region of the cutout is a receiving part (5) for receiving an insert part. The receiving part has a circumferentially closed conical receiving surface (55). The conical receiving surface is configured to receive a circumferentially closed conical circumferential surface (65), corresponding thereto, of the insert part. The conical receiving surface of the receiving part and the conical circumferential surface of the insert part bound at least one passage duct (7) for the liquid substance when the conical receiving surface and the conical circumferential surface butt against one another. The liquid substance is able to be dispensed through the passage duct (7).

IPC 8 full level
B65D 47/20 (2006.01); **B65D 47/06** (2006.01); **B65D 47/08** (2006.01)

CPC (source: CH EP US)
B05B 1/10 (2013.01 - US); **B05B 15/65** (2018.01 - US); **B65D 25/38** (2013.01 - CH); **B65D 47/06** (2013.01 - EP); **B65D 47/0804** (2013.01 - EP); **B65D 47/20** (2013.01 - CH EP); **B65D 83/0055** (2013.01 - US)

Cited by
US11891218B2; US11292642B2; US11623798B2; USD949690S; USD1000276S; USD1000954S; USD1040653S; US11401083B2; US11465815B2; US11472610B2

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 2019219278 A1 20191121; BR 112020023270 A2 20210223; CH 715006 A1 20191129; CH 715006 A9 20200115; CN 112135781 A 20201225; CN 112135781 B 20221125; EP 3793912 A1 20210324; EP 3793912 B1 20221221; ES 2940692 T3 20230510; MX 2020012187 A 20210129; PL 3793912 T3 20230417; RS 64082 B1 20230428; US 11772105 B2 20231003; US 2021069734 A1 20210311; ZA 202007709 B 20220330

DOCDB simple family (application)
EP 2019057503 W 20190326; BR 112020023270 A 20190326; CH 6172018 A 20180517; CN 201980033021 A 20190326; EP 19714172 A 20190326; ES 19714172 T 20190326; MX 2020012187 A 20190326; PL 19714172 T 20190326; RS P20230216 A 20190326; US 202017099940 A 20201117; ZA 202007709 A 20201210