

Title (en)

FIXED-QUANTITY PUMPING CAP STRUCTURE FOR DROPPER

Title (de)

PUMPKAPPENSTRUKTUR MIT FESTER MENGE FÜR TROPFER

Title (fr)

STRUCTURE DE BOUCHON DE POMPAGE À QUANTITÉ FIXE POUR COMPTE-GOUTTES

Publication

EP 3932250 A1 20220105 (EN)

Application

EP 20215345 A 20201218

Priority

KR 20200080325 A 20200630

Abstract (en)

A fixed-quantity pumping cap for a dropper is proposed. The fixed-quantity pumping cap for a dropper is separately configured to include: a mounting cap that is selectively separated from and mounted to a container body, and a pumping rotator for pumping a pumping member upward and downward while being rotated on an outer side of the mounting cap, wherein the mounting cap is provided to be safely separated from and mounted to the container body, and contents are able to be discharged by the pumping rotator, so that loss of contents caused by the separation of fixed-quantity pumping cap for a dropper from the container body when in portable use is fundamentally eliminated, and a pumping mechanism according to an intake and discharge of the contents is simplified, whereby cost may be remarkably lowered together with productivity improvement according to assembly production.

IPC 8 full level

A45D 34/04 (2006.01); **B01L 3/02** (2006.01)

CPC (source: CN EP KR)

A45D 34/00 (2013.01 - CN); **A45D 34/04** (2013.01 - EP KR); **B01L 3/0282** (2013.01 - EP); **B01L 3/50825** (2013.01 - EP); **B05B 3/18** (2013.01 - CN); **B65D 51/24** (2013.01 - CN); **B65D 51/32** (2013.01 - KR); **A45D 2034/002** (2013.01 - CN); **A45D 2200/055** (2013.01 - KR); **A45D 2200/056** (2013.01 - KR); **B01L 2200/0605** (2013.01 - EP); **B01L 2300/047** (2013.01 - EP)

Citation (applicant)

KR 101215420 B1 20121226 - YONWOO CO LTD [KR]

Citation (search report)

- [A] KR 20120002205 U 20120326
- [A] KR 20120014653 A 20120220 - YONWOO CO LTD [KR]
- [A] CN 202095747 U 20120104 - JIANPING HANG

Cited by

US2022248827A1; WO2023185676A1

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 3932250 A1 20220105; CN 113859749 A 20211231; CN 113859749 B 20230707; JP 2022013598 A 20220118; KR 102359569 B1 20220209; KR 20220002782 A 20220107

DOCDB simple family (application)

EP 20215345 A 20201218; CN 202110024346 A 20210108; JP 2020213819 A 20201223; KR 20200080325 A 20200630