

Title (en)

EASY MOUNTING AND REMOVAL OF A PUMP RELATIVE TO THE CONTAINER

Title (de)

ERLEICHTERTE MONTAGE UND DEMONTAGE EINER PUMPE IN BEZUG AUF EINEN RESERVOIR

Title (fr)

MONTAGE ET DÉMONTAGE FACILITÉ D'UNE POMPE PAR RAPPORT AU RÉSERVOIR

Publication

EP 3603817 B1 20210519 (FR)

Application

EP 19184725 A 20190705

Priority

FR 1857226 A 20180801

Abstract (en)

[origin: CN110789840A] A dispensing unit for dispensing a fluid product includes a reservoir (2) for packaging the product, wherein the reservoir has a body (3) surmounted by a neck (4) defining an upper opening (7); a system for dispensing the product; and a fixing device (1) for fixing the dispensing system to the reservoir (2). The dispensing unit is characterized in that the fixing device (1) comprises one single part having securing means on the neck (4) of the reservoir (2) actuated by an axial horizontal movement and disconnection means with respect to the neck (4) of the reservoir (2) actuated by a rotational movement.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: CN EP US)

B05B 11/001 (2013.01 - US); **B05B 11/1047** (2023.01 - EP); **B05B 11/1049** (2023.01 - US); **B65D 47/00** (2013.01 - CN); **B65D 50/046** (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)

EP 3603817 A1 20200205; **EP 3603817 B1 20210519**; CN 110789840 A 20200214; CN 110789840 B 20220927; FR 3084655 A1 20200207; FR 3084655 B1 20201113; US 10722911 B2 20200728; US 2020061650 A1 20200227

DOCDB simple family (application)

EP 19184725 A 20190705; CN 201910707682 A 20190801; FR 1857226 A 20180801; US 201916529665 A 20190801