

Title (en)

Fixation device for a dispensing pump on a flask containing a product

Title (de)

Fixiervorrichtung einer Spenderpumpe auf einem produktbefüllten Flakon

Title (fr)

Dispositif de fixation d'une pompe de distribution sur un flacon contenant un produit

Publication

EP 2198973 B1 20120222 (FR)

Application

EP 09290977 A 20091218

Priority

FR 0807377 A 20081222

Abstract (en)

[origin: EP2198973A1] The device has a sleeve (7) with a distribution pump integrating unit, and an outer frame (8) axially sliding around a peripheral bearing (13) with axial grooves (14). An internal wall of the frame has axial ribs (16) that are arranged in the axial grooves while mounting the frame around the peripheral bearing, where the geometry of the ribs is complementary to geometry of the grooves. The peripheral bearing is extended around sleeve fixation units. An independent claim is also included for a dispensing flask comprising a body.

IPC 8 full level

B05B 11/00 (2006.01); **A45D 34/00** (2006.01); **B65D 41/00** (2006.01)

CPC (source: EP US)

B05B 11/1047 (2023.01 - EP US); **B05B 11/1049** (2023.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Cited by

FR3067013A1; FR3001954A1; CN105073590A; US9776775B2; WO2014125202A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2198973 A1 20100623; **EP 2198973 B1 20120222**; AT E546230 T1 20120315; ES 2382421 T3 20120608; FR 2940251 A1 20100625; US 2011031281 A1 20110210; US 8408422 B2 20130402

DOCDB simple family (application)

EP 09290977 A 20091218; AT 09290977 T 20091218; ES 09290977 T 20091218; FR 0807377 A 20081222; US 69970710 A 20100203