

Title (en)

PROTECTIVE CAP FOR A DISPENSER AND DISPENSER FOR DISCHARGING PHARMACEUTICAL AND/OR COSMETIC LIQUIDS

Title (de)

SCHUTZKAPPE FÜR EINEN SPENDER UND SPENDER ZUM AUSTRAG VON PHARMAZEUTISCHEN UND/ODER KOSMETISCHEN FLÜSSIGKEITEN

Title (fr)

CAPUCHON DE PROTECTION POUR DISTRIBUTEUR ET DISTRIBUTEUR SERVANT À DÉLIVRER DES LIQUIDES PHARMACEUTIQUES ET/OU COSMÉTIQUES

Publication

**EP 3083434 A1 20161026 (DE)**

Application

**EP 14814843 A 20141216**

Priority

- DE 102013226250 A 20131217
- EP 2014078044 W 20141216

Abstract (en)

[origin: WO2015091536A1] The invention relates to a protective cap for a dispenser (2) for discharging pharmaceutical and/or cosmetic liquids (4), wherein the dispenser (2) has a liquid reservoir (21) and an outlet opening (24) through which the liquid (4) can be dispensed into a surrounding atmosphere, and wherein the protective cap (3) has at least one ventilation opening (30) to allow communication between an interior and an external surroundings, and an irreversibly removable sealing element (5, 6, 7) which covers the at least one ventilation opening is arranged on the protective cap, by means of which sealing element the at least one ventilation opening is closed in an airtight and germproof manner before a first use. The invention further relates to a discharge device (1) comprising a dispenser (2) and a protective cap (3).

IPC 8 full level

**B65D 51/18** (2006.01); **B65D 41/48** (2006.01); **B65D 41/62** (2006.01); **B65D 47/20** (2006.01); **B65D 51/20** (2006.01)

CPC (source: EP US)

**B65D 41/32** (2013.01 - US); **B65D 41/48** (2013.01 - EP US); **B65D 47/2068** (2013.01 - EP US); **B65D 51/16** (2013.01 - EP US); **B65D 51/1616** (2013.01 - US); **B65D 51/18** (2013.01 - EP US); **B65D 2205/025** (2013.01 - EP US); **B65D 2251/0015** (2013.01 - EP US); **B65D 2251/0087** (2013.01 - EP 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102013226250 A1 20150618**; **DE 102013226250 B4 20190718**; BR 112016013106 A2 20170808; BR 112016013106 B1 20211013; CN 105813951 A 20160727; CN 105813951 B 20170630; EP 3083434 A1 20161026; EP 3083434 B1 20190403; JP 2016540697 A 20161228; JP 6526002 B2 20190605; US 2016311589 A1 20161027; US 9889978 B2 20180213; WO 2015091536 A1 20150625

DOCDB simple family (application)

**DE 102013226250 A 20131217**; BR 112016013106 A 20141216; CN 201480069358 A 20141216; EP 14814843 A 20141216; EP 2014078044 W 20141216; JP 2016535231 A 20141216; US 201415103644 A 20141216