

Title (en)

ADAPTER PART, DISPENSER, AND STORAGE CHAMBER FOR USE IN A DISPENSER

Title (de)

ADAPTERTEIL, SPENDER SOWIE VORRATSRaum ZUR NUTZUNG IN EINEM SPENDER

Title (fr)

PIÈCE D'ADAPTATION, DISTRIBUTEUR AINSI QU'ESPACE RÉSERVOIR POUR L'UTILISATION DANS UN DISTRIBUTEUR

Publication

EP 3911448 A1 20211124 (DE)

Application

EP 20702221 A 20200115

Priority

- GB 201900718 A 20190118
- EP 2020050908 W 20200115

Abstract (en)

[origin: WO2020148332A1] The invention relates to an adapter part (22) arranged in a passage to a storage chamber (11) of a dispenser (1). The invention also relates to a dispenser (1) for dispensing a liquid or pasty compound (2), comprising a dispenser head (3) which has a dispenser opening (Sp) and a dispenser lower part (4), a storage chamber (11), and a pump device (P) in the dispenser head (3). The compound (2) can be dispensed out of the storage chamber (11) via the dispenser opening (Sp) by means of the pump device (P), wherein the storage chamber (11) is additionally produced as a bag-like storage chamber part (5) and is received in the dispenser lower part (4) in a replaceable manner. Additionally, the storage chamber part (5) has an adapter part (22) for interacting with the pump device in order to conduct the compound (2), and additionally the adapter part (22) has a cover element (33) which can be acted upon in order to form an opening (36) of the storage chamber (11). The invention additionally relates to a storage chamber (11) which is designed as a bag-like storage chamber part (5) for use in a dispenser (1) for dispensing a liquid or pasty compound (2). The storage chamber (11) has an adapter part (22) with a cover element (33) which can be acted upon in order to form an opening (36) of the storage chamber (11), and a seal collar (41) with a seal surface (43) is formed on the adapter part (22). The aim of the invention is to improve an adapter part and a dispenser as well as a replaceable storage chamber of the aforementioned type, in particular in terms of handling. This is achieved by a cover element (33) which relates to the adapter part (22) and which can be acted upon in order to form an opening (36). A seal wall (42) which extends so as to surround the cover element (33) is suitable for sealingly interacting with the dispenser (1). With respect to the dispenser, it is proposed that the pump device (P) has an opening means (45) on the storage chamber side for automatically acting on the cover element (33) in order to form the opening (36) when the storage chamber part (5) is placed on the dispenser head (3). With respect to the storage chamber, it is proposed that the seal collar (41) runs so as to surround the cover element (33) in the form of a closed circumferential cylindrical wall.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/0054 (2013.01 - EP US); **B05B 11/026** (2023.01 - EP US); **B05B 11/1008** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US); **B05B 11/1059** (2023.01 - US); **B05B 15/30** (2018.01 - EP); **B05B 11/1059** (2023.01 - EP)

Citation (search report)

See references of WO 2020148332A1

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)

WO 2020148332 A1 20200723; EP 3911448 A1 20211124; EP 3911448 B1 20231108; GB 201900718 D0 20190306; US 11752513 B2 20230912; US 2022062929 A1 20220303

DOCDB simple family (application)

EP 2020050908 W 20200115; EP 20702221 A 20200115; GB 201900718 A 20190118; US 202017423234 A 20200115