

Title (en)

DISPENSER OF LIQUID OR PASTY PRODUCTS

Title (de)

SPENDER FÜR FLÜSSIGE BIS PASTÖSE MASSEN

Title (fr)

DISTRIBUTEUR DE PRODUIT LIQUIDE OU PÂTEUX

Publication

EP 3352911 B1 20190821 (DE)

Application

EP 16777572 A 20160921

Priority

- DE 102015116120 A 20150923
- DE 102016105999 A 20160401
- EP 2016072445 W 20160921

Abstract (en)

[origin: CA2999111A1] The invention relates to a dispenser (1) for liquid to pasty substances, having a dispenser head (4) and a dispenser body (3), wherein the dispenser head (4) is movable relative to the dispenser body (3) in a displacement direction for carrying out a pumping movement and is also rotatable relative to the dispenser body (3), wherein, in addition, the dispenser (1) has a pump chamber (6) having an inlet valve (7) and an outlet valve (8), wherein downstream of the outlet valve (8) in a dispensing direction for the substance is provided a dispensing tube (11) which is divided into two portions (12, 13) which can move relative to each other and which, as a result of a movement relative to each other, can be moved into a closed position in which the substance cannot be dispensed and into an open position in which the substance can be dispensed, wherein the portions (12, 13) are nested in each other at regions facing each other to form an inner part and an outer part, and wherein a closure can be produced between an outer wall of the inner part and an inner wall of the outer part. In order to provide an advantageous design of a dispenser of the type in question, it is proposed that the portions (12, 13), in order to change between the closed position and the open position, can be moved relative to each other without a relative movement in the displacement direction.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP RU US)

B05B 11/0029 (2013.01 - EP RU US); **B05B 11/0044** (2018.08 - EP RU US); **B05B 11/1001** (2023.01 - US); **B05B 11/1059** (2023.01 - EP US); **B05B 11/106** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US)

Cited by

WO2022020688A1

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)

DE 102016105999 A1 20170323; BR 112018002089 A2 20180918; BR 112018002089 B1 20211005; CA 2999111 A1 20170330; CA 2999111 C 20211228; CN 108025323 A 20180511; CN 108025323 B 20211008; EP 3352911 A1 20180801; EP 3352911 B1 20190821; ES 2748628 T3 20200317; PL 3352911 T3 20200131; RU 2018114672 A 20191023; RU 2018114672 A3 20191113; RU 2710560 C2 20191227; US 10464089 B2 20191105; US 2018169680 A1 20180621; WO 2017050834 A1 20170330

DOCDB simple family (application)

DE 102016105999 A 20160401; BR 112018002089 A 20160921; CA 2999111 A 20160921; CN 201680054323 A 20160921; EP 16777572 A 20160921; EP 2016072445 W 20160921; ES 16777572 T 20160921; PL 16777572 T 20160921; RU 2018114672 A 20160921; US 201615757101 A 20160921