

Title (en)
DISPENSER FOR PASTY PRODUCTS

Title (de)
SPENDER FÜR PASTÖSE PRODUKTE

Title (fr)
DISTRIBUTEUR POUR DES PRODUITS PATEUX

Publication
EP 1399370 B1 20050302 (DE)

Application
EP 02748670 A 20020422

Priority
• DE 20110604 U 20010629
• EP 0204423 W 20020422

Abstract (en)
[origin: WO03004374A1] The invention relates to a dispenser for pasty products comprising a substantially cylindrical container (1) that contains the pasty product. On the bottom side thereof, a tracking piston (22) is slidingly disposed on the interior wall of the container and is subject to the pressure of the ambient atmosphere. At its top end, a head piece (3) can be slidingly displaced with respect to the container (1) and is provided with an outlet channel (32) for the product that can be linked with the container (1) so as to communicate with it. The head piece (3) acts upon a delivery device that comprises a delivery chamber (100) for the product and that can be operated manually. The aim of the invention is to improve the generic dispenser in such a manner that it can be actuated with less actuating forces and to prevent the pasty product to be delivered from damages through oxidation. The aim is achieved by configuring a delivery element (5) as a component of the delivery device that is longitudinally slidable with respect to the container (1) and the head piece (3) and that comprises a delivery piston (51) that can be slidingly displaced within the delivery chamber (100). Said delivery piston is linked with a delivery shaft (50) that encloses the periphery of the delivery channel which in turn has a delivery channel inlet opening (53) and a delivery channel outlet opening (58) that communicate with the delivery chamber (100). Said openings can be brought into a position in which the delivery channel outlet opening (58) is opened to the outlet channel (32) by displacing the delivery element (5) relative to the head piece (3).

IPC 1-7
B65D 47/34; **B05B 11/00**

IPC 8 full level
B05B 11/00 (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)
B05B 11/007 (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/1021** (2023.01 - EP US); **B05B 11/1054** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/028** (2023.01 - EP US)

Cited by
DE102008023521A1; DE102008023522B3; DE102008023521B4; DE102007024719A1; DE102009040143A1; DE202008011825U1;
DE102007024724A1; DE102007024722A1; DE102007024723A1; DE202007004662U1; WO2015022713A1; US10493477B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 20110604 U1 20021114; DE 50202384 D1 20050407; EP 1399370 A1 20040324; EP 1399370 B1 20050302; US 2004206781 A1 20041021;
US 6955278 B2 20051018; WO 03004374 A1 20030116

DOCDB simple family (application)
DE 20110604 U 20010629; DE 50202384 T 20020422; EP 0204423 W 20020422; EP 02748670 A 20020422; US 74289903 A 20031223