

Title (en)

Dosing pump with rotating actuation means

Title (de)

Dosierpumpe mit rotatorischer Betätigungseinrichtung

Title (fr)

Pompe de dosage avec un élément d'actionnement rotatif

Publication

EP 1674162 A1 20060628 (DE)

Application

EP 05112743 A 20051222

Priority

DE 202004019763 U 20041222

Abstract (en)

The dosing pump of plastic for the dosed dispensing of a paste-form medium has a pump component consisting of a spring elastic bellows installed between fixed cylindrical lower housing section and an axially movable upper housing section. A rotatable sleeve (30,30/1) is rotatably mounted in the lower housing section between the lower and upper housing sections and engages with the axially movable housing section via thread-like engagement elements which convert the rotational movements of the sleeve into axial lift movements of the upper housing section.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP)

B05B 11/1005 (2023.01); **B05B 11/1035** (2023.01); **B05B 11/1052** (2023.01)

Citation (search report)

- [A] EP 1170062 A2 20020109 - RPC BRAMLAGE GMBH [DE]
- [AD] DE 2842073 A1 19790405 - UNILEVER NV
- [AD] DE 4041136 A1 19920702 - ANDRIS RAIMUND GMBH & CO KG [DE]

Cited by

WO2017211585A1; EP2433970A1; USD920805S; US10752412B1; DE202013103492U1; WO2015014561A2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 202004019763 U1 20050303; DE 502005003899 D1 20080612; EP 1674162 A1 20060628; EP 1674162 B1 20080430

DOCDB simple family (application)

DE 202004019763 U 20041222; DE 502005003899 T 20051222; EP 05112743 A 20051222