

Title (en)

OPENING DEVICE FOR A PACKAGE AND PACKAGE HAVING AN OPENING DEVICE

Title (de)

ÖFFNUNGSVORRICHTUNG FÜR EINE VERPACKUNG UND VERPACKUNG MIT EINER ÖFFNUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'OUVERTURE POUR UN EMBALLAGE ET EMBALLAGE DOTÉ D'UN DISPOSITIF D'OUVERTURE

Publication

EP 4177181 A1 20230510 (EN)

Application

EP 22203489 A 20221025

Priority

EP 21207094 A 20211109

Abstract (en)

There is described an opening device (3) for a package (1) having a main body (2) being filled with a pourable product. The opening device (3) comprises a collar (9) having an inner surface (15) delimiting a flow channel (10) for the pourable product and having a pouring outlet (11), a closure group (12) coupled to the collar (9) and configured to selectively open and close the pouring outlet (11) and one or more annular protrusion elements (19) extending from the inner surface (15) and into the flow channel (10). The closure group (12) comprises a closure (17) configured to selectively open and close the pouring outlet (11) when being respectively in an opening position and a closing position and a sealing lip (18) extending from the closure (17). The sealing lip (18) extends into the flow channel (10) with the closure (17) being in the closing position. The sealing lip (18) interacts with at least one of the one or more annular protrusion elements (19) for sealing the pouring outlet (11) in cooperation with the annular protrusion elements (19) with the closure (17) being in the closing position.

IPC 8 full level

B65D 41/18 (2006.01); **B65D 5/74** (2006.01); **B65D 47/10** (2006.01); **B65D 51/22** (2006.01); **B65D 75/58** (2006.01)

CPC (source: EP)

B65D 5/746 (2013.01); **B65D 41/185** (2013.01); **B65D 47/103** (2013.01); **B65D 51/228** (2013.01); **B65D 2251/0025** (2013.01); **B65D 2251/0093** (2013.01)

Citation (search report)

- [XYI] EP 3854716 A1 20210728 - ELOPAK GMBH [DE]
- [XA] WO 2021080497 A1 20210429 - PETRO PACK AB [SE]
- [YA] EP 3892559 A1 20211013 - TETRA LAVAL HOLDINGS & FINANCE [CH]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4177181 A1 20230510; AU 2022388600 A1 20240404; WO 2023083598 A1 20230519

DOCDB simple family (application)

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