

Title (en)

PACKAGING APPARATUS FOR FORMING SEALED PACKAGES

Title (de)

VERPACKUNGSVORRICHTUNG ZUR FORMUNG VERSIEGELTER PACKUNGEN

Title (fr)

APPAREIL D'EMBALLAGE POUR FORMER DES EMBALLAGES SCELLÉS

Publication

EP 4043351 A3 20221207 (EN)

Application

EP 22155109 A 20220204

Priority

EP 21156161 A 20210210

Abstract (en)

There is described a packaging apparatus (1) comprising a tube forming and sealing device (5), a filling device (7), a product delivery device (8) configured to receive a pourable product from an external product supply (9) and to selectively feed the pourable product along a flow path to and into the filling device (7) and a package forming unit (10) configured to at least form and transversally seal the tube (3) for forming packages (2) filled with the pourable product. The product delivery device (8) comprises a main inlet valve (30) having a first inlet (31) and a first outlet (32) and a control valve (33) arranged downstream from the main inlet valve (30) and upstream from the filling device (7) along the flow path and having a second inlet (34) and a second outlet (35). The main inlet valve (30) comprises a first valve element (42) controllable into at least a closing position, an opening position and one or more intermediate positions. Additionally or alternatively, the control valve (33) comprises a second valve element (44) being controllable into a closed position and an open position.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [Y] EP 3575226 A1 20191204 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [Y] EP 3572372 A1 20191127 - OCME SRL [IT]
- [XY] EP 3656687 A1 20200527 - 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4043351 A2 20220817; **EP 4043351 A3 20221207**; CN 116438115 A 20230714; JP 2024504895 A 20240202; US 2023406560 A1 20231221; WO 2022171530 A2 20220818; WO 2022171530 A3 20220922

DOCDB simple family (application)

EP 22155109 A 20220204; CN 202280007304 A 20220204; EP 2022052668 W 20220204; JP 2023519804 A 20220204; US 202218248605 A 20220204