

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)  
**B65B 9/20** (2013.01 - EP); **B65B 9/207** (2013.01 - EP US); **B65B 9/213** (2013.01 - EP US); **B65B 31/045** (2013.01 - US); **B65B 37/00** (2013.01 - EP); **B65B 39/004** (2013.01 - EP US); **B65B 51/303** (2013.01 - US); **B65B 55/027** (2013.01 - EP US); **B65B 55/103** (2013.01 - EP US); **B65B 57/145** (2013.01 - EP US); **B65B 65/006** (2013.01 - EP US); **B65B 51/303** (2013.01 - EP)

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]

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BA ME

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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

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