

Title (en)

TWIN-TUBE BAG FORMING, FILLING AND SEALING MACHINE COMPRISING METERING DEVICE AND TRANSFER SYSTEM

Title (de)

DOPPELROHR-SCHLAUCHBEUTELMASCHINE MIT DOSIERVORRICHTUNG UND TRANSFERSYSTEM

Title (fr)

MACHINE À SACHET TUBULAIRE À TUYAU DOUBLE AVEC DISPOSITIF DE DOSAGE ET SYSTÈME DE TRANSFERT

Publication

EP 3921239 A1 20211215 (DE)

Application

EP 20706389 A 20200205

Priority

- DE 102019103184 A 20190208
- EP 2020052802 W 20200205

Abstract (en)

[origin: WO2020161157A1] The invention relates to a twin-tube bag forming, filling and sealing machine (01) comprising: two side-weld sealing devices for forming two tubular films (05) running in parallel, and provided for each of the two tubular films (05) are two transverse sealing jaws (06) for forming closed tubular bags (02), said jaws moving towards one another, thereby transversely welding the tubular film (05); also comprising a mechanism with a drive, which mechanism moves the transverse sealing jaws (06); two filling devices (04) for filling the tubular bags (02), formed from the two tubular films (05), with a filling material; and two separation devices for separating individual, filled tubular bags (02) consisting of the two tubular films (05), wherein: disposed upstream of the filling devices (04) is a metering device (07) by means of which a predefined filling amount of the filling material provided for filling the tubular bags (02) can be metered; a transfer device (10) having multiple transfer containers (13) is provided between the two filling devices (04) and the metering device (07); at a charging station (11), the predefined filling amount of the filling material is transferred from the metering device (07) to the transfer containers (13), and the transfer containers (13) are transported along a transfer section (14) to a pairing of two dispensing stations (12); at the pairing of two dispensing stations (12), the filling material is transferred from the transfer containers (13) into the two filling devices (04), and the transfer containers (13) are transported back to the charging station (11) along a return transfer section.

IPC 8 full level

B65B 9/20 (2012.01); **B65B 1/12** (2006.01); **B65B 1/32** (2006.01); **B65B 1/36** (2006.01); **B65B 37/00** (2006.01); **B65B 59/04** (2006.01); **B65B 65/00** (2006.01)

CPC (source: EP US)

B65B 1/12 (2013.01 - EP US); **B65B 1/32** (2013.01 - EP US); **B65B 1/36** (2013.01 - EP US); **B65B 9/20** (2013.01 - EP US); **B65B 37/005** (2013.01 - EP US); **B65B 59/04** (2013.01 - EP US); **B65B 65/006** (2013.01 - EP US); **B65B 2210/02** (2013.01 - EP US); **B65B 2220/14** (2013.01 - EP US)

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

DOCDB simple family (publication)

DE 102019103184 B3 20200806; EP 3921239 A1 20211215; EP 3921239 B1 20240605; EP 3921239 C0 20240605; US 11801961 B2 20231031; US 2022106069 A1 20220407; WO 2020161157 A1 20200813

DOCDB simple family (application)

DE 102019103184 A 20190208; EP 2020052802 W 20200205; EP 20706389 A 20200205; US 202017428773 A 20200205