

Title (en)

MACHINE FOR THE PACKAGING OF PRODUCTS IN FLEXIBLE PREFORMED CONTAINERS WITH A SEALING ELEMENT

Title (de)

MASCHINE ZUM VERPACKEN VON PRODUKTEN IN FLEXIBLEN VORGEFORMTEN BEHÄLTERN MIT EINEM DICHTUNGSELEMENT

Title (fr)

MACHINE D'EMBALLAGE DE PRODUITS DANS DES EMBALLAGES SOUPLES PRÉFORMÉS AVEC ÉLÉMENT DE FERMETURE

Publication

EP 3974327 A4 20230510 (EN)

Application

EP 19929525 A 20190522

Priority

ES 2019070337 W 20190522

Abstract (en)

[origin: EP3974327A1] The packaging machine for packaging products in preformed flexible containers with closing element comprises a feeding station (1), which feeds the preformed flexible containers (10) with closing element; a dosing station, which doses a product into the containers; and a sealing station (6), which seals the container with the product inside, wherein the packaging machine also comprises an opening station (3), in which said container (10) is opened, said opening station (3) being positioned before said dosing station. It allows the container to be fed with the closing element open or closed, as the opening station allows the closing element to be opened if it is closed, increasing the productivity of the packaging machine.

IPC 8 full level

B65B 1/18 (2006.01); **B65B 3/04** (2006.01); **B65B 3/17** (2006.01); **B65B 7/28** (2006.01); **B65B 43/12** (2006.01); **B65B 43/30** (2006.01); **B65B 43/34** (2006.01); **B65B 57/04** (2006.01); **B65B 59/00** (2006.01); **B65B 61/18** (2006.01)

CPC (source: EP US)

B65B 1/04 (2013.01 - US); **B65B 3/04** (2013.01 - US); **B65B 3/045** (2013.01 - EP US); **B65B 7/02** (2013.01 - US); **B65B 7/2807** (2013.01 - EP US); **B65B 43/12** (2013.01 - EP US); **B65B 43/30** (2013.01 - EP US); **B65B 43/34** (2013.01 - EP US); **B65B 43/465** (2013.01 - US); **B65B 57/04** (2013.01 - EP US); **B65B 59/003** (2019.04 - EP US); **B65B 61/186** (2013.01 - EP US); **B65B 61/188** (2013.01 - US)

Citation (search report)

- [X] JP H0648401 A 19940222 - TOYO JIDOKI KK
- [X] TRACY: "Horizontal packing machine premade pouch packer zippered bag fill seal doypack machinery", 19 June 2015 (2015-06-19), pages 1, XP054981238, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=aNRla2TNaj0> [retrieved on 20201221]
- [X] SANDY TAICHUAN PACKAGING MACHINERY: "Doypack pouch with spout filling capping machine, spout doypack packing machine", 5 March 2018 (2018-03-05), pages 1, XP054981239, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=2LNvniQ-Wes> [retrieved on 20201221]
- See references of WO 2020234489A1

Designated contracting state (EPC)

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