

Title (en)

METHOD AND DEVICE FOR MAKING A MULTI-PACK WITH A PLURALITY OF BEVERAGE CONTAINERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN EINES MULTIPACKS MIT MEHREREN GETRÄNKEBEHÄLTERN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN EMBALLAGE MULTIPLE POURVU D'UNE PLURALITÉ DE RÉCIPIENTS DE BOISSONS

Publication

EP 3738895 B1 20220119 (DE)

Application

EP 20171422 A 20200424

Priority

- DE 102019113176 A 20190517
- DE 102019128874 A 20191025
- DE 102019135254 A 20191219

Abstract (en)

[origin: US2020361645A1] An apparatus (1) for assembling several beverage containers (2) into a multipack (4) is disclosed. The apparatus (1) comprises a horizontal conveying device (5) for moving groupings (3), each grouping (3) comprising several beverage containers (2). The apparatus (1) also comprises at least one working device (25) that applies packaging blanks (41) to the groupings (3). The beverage containers (2) of a grouping (3) pass through openings in the packaging blank (41) and are held together by the packaging blank (41). The apparatus (1) furthermore comprises at least one handling apparatus (15) which places the beverage containers (2) on the horizontal conveying device (5) such that the beverage containers (2) are in alignment with respect to one another. The alignment of the beverage containers (2) allows the packaging blank (41) to be applied to the beverage containers (2) directly upon their placement on the horizontal conveying device (5).

IPC 8 full level

B65B 17/02 (2006.01); **B65D 71/50** (2006.01)

CPC (source: EP US)

B65B 17/025 (2013.01 - EP US); **B65B 35/30** (2013.01 - US); **B65B 41/02** (2013.01 - US); **B65B 61/02** (2013.01 - US); **B65D 71/42** (2013.01 - US); **B65D 71/50** (2013.01 - EP); **B65B 2220/16** (2013.01 - EP)

Cited by

WO2023114338A1

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

DOCDB simple family (publication)

EP 3738895 A1 20201118; EP 3738895 B1 20220119; CA 3138912 A1 20201126; CN 216684976 U 20220607; CN 217260865 U 20220823; EP 3969377 A1 20220323; EP 3969378 A1 20220323; EP 3974329 A1 20220330; ES 2908007 T3 20220427; US 11390405 B2 20220719; US 2020361645 A1 20201119; US 2022234768 A1 20220728; WO 2020233942 A1 20201126; WO 2020233943 A1 20201126

DOCDB simple family (application)

EP 20171422 A 20200424; CA 3138912 A 20200424; CN 202090000450 U 20200424; CN 202090000461 U 20200424; EP 2020061559 W 20200424; EP 2020061561 W 20200424; EP 20719915 A 20200424; EP 20719916 A 20200424; EP 21206387 A 20200424; ES 20171422 T 20200424; US 202016875787 A 20200515; US 202017610751 A 20200424