

Title (en)

SECTION OF A PACKAGING LINE FOR BEVERAGE CONTAINERS AND METHOD FOR HANDLING BEVERAGE CONTAINERS DURING THEIR TRANSPORT ALONG A PACKAGING LINE

Title (de)

ABSCHNITT EINER VERPACKUNGSLINIE FÜR GETRÄNKEBEHÄLTNISSE UND VERFAHREN ZUM UMGANG MIT GETRÄNKEBEHÄLTNISSEN WÄHREND IHRES TRANSPORTES ENTLANG EINER VERPACKUNGSLINIE

Title (fr)

SEGMENT D'UNE LIGNE D'EMBALLAGE POUR DES CONTENANTS DE BOISSON ET PROCÉDÉ DE MANIPULATION DE CONTENANTS DE BOISSON LORS DE LEUR TRANSPORT LE LONG D'UNE LIGNE D'EMBALLAGE

Publication

**EP 3423361 A1 20190109 (DE)**

Application

**EP 16819081 A 20161221**

Priority

- DE 102016203435 A 20160302
- EP 2016082098 W 20161221

Abstract (en)

[origin: WO2017148557A1] Disclosed is a section (1) of a packaging line for beverage containers (3). The section (1) comprises a shrink tunnel (13), by means of which tunnel (13) thermoplastic packaging material can be shrunk onto groups of beverage containers (3) to form packaged units (5). The section (1) also comprises at least one manipulator (20), designed to receive and handle, preferably by gripping and/or interlocking engagement, packaged units (5) produced by means of the shrink tunnel (13). The at least one manipulator (20) is positioned directly downstream of the shrink tunnel (13).

IPC 8 full level

**B65B 53/06** (2006.01); **B65B 61/28** (2006.01); **B65B 65/00** (2006.01); **B65G 47/90** (2006.01)

CPC (source: EP)

**B65B 53/063** (2013.01); **B65B 61/28** (2013.01); **B65B 65/003** (2013.01); **B65B 2220/16** (2013.01)

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 102016203435 A1 20170907**; CN 208802211 U 20190430; EP 3423361 A1 20190109; EP 3423361 B1 20200805; EP 3423361 B2 20240703; WO 2017148557 A1 20170908

DOCDB simple family (application)

**DE 102016203435 A 20160302**; CN 201690001466 U 20161221; EP 16819081 A 20161221; EP 2016082098 W 20161221