

Title (en)

METHOD AND DEVICE FOR FORMING CONTAINER GROUPINGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BILDEN VON BEHÄLTNISZUSAMMENSTELLUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR FORMER DES GROUPES D'ARTICLES

Publication

EP 3436361 A1 20190206 (DE)

Application

EP 16826751 A 20161229

Priority

- DE 102016105807 A 20160330
- EP 2016082823 W 20161229

Abstract (en)

[origin: WO2017167422A1] The invention relates to a method for packaging piece good groupings (1), in which a plurality of piece goods (10), particularly containers (10), are at least partially interconnected by means of a first connection means, wherein at least two piece goods of this plurality are directly interconnected by means of the connection means (42). According to the invention, this plurality of piece goods (10) connected by the connection means (42) is packaged with a second connection means in the form of a second wrapping element (14), and said plurality of piece goods connected by a first connection means is conveyed by a conveyor device to a packaging unit (54) and enclosed, particularly wrapped, with the second wrapping element (14) by said packaging unit (54).

IPC 8 full level

B65B 21/24 (2006.01); **B65B 5/06** (2006.01); **B65B 5/08** (2006.01); **B65B 11/00** (2006.01); **B65B 11/58** (2006.01); **B65B 27/04** (2006.01);
B65B 35/44 (2006.01); **B65B 35/50** (2006.01); **B65B 35/54** (2006.01); **B65B 35/58** (2006.01); **B65D 71/08** (2006.01); **B65D 71/10** (2006.01)

CPC (source: EP US)

B65B 5/06 (2013.01 - EP US); **B65B 5/08** (2013.01 - EP US); **B65B 11/008** (2013.01 - EP US); **B65B 11/58** (2013.01 - EP US);
B65B 11/585 (2013.01 - EP US); **B65B 21/245** (2013.01 - EP US); **B65B 27/04** (2013.01 - EP US); **B65B 35/44** (2013.01 - EP US);
B65B 35/50 (2013.01 - EP US); **B65B 35/54** (2013.01 - EP US); **B65B 35/58** (2013.01 - EP US); **B65D 71/08** (2013.01 - EP US);
B65D 71/10 (2013.01 - EP US); **B65B 2220/16** (2013.01 - EP US); **B65B 2230/00** (2013.01 - EP US); **B65B 2230/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2017167422A1

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)

WO 2017167422 A1 20171005; CN 109071047 A 20181221; DE 102016105807 A1 20171019; EP 3436361 A1 20190206;
US 11066199 B2 20210720; US 2019112083 A1 20190418

DOCDB simple family (application)

EP 2016082823 W 20161229; CN 201680083089 A 20161229; DE 102016105807 A 20160330; EP 16826751 A 20161229;
US 201616090279 A 20161229