

Title (en)

METHOD AND APPARATUS FOR PACKAGING GROUPS OF ARTICLES COMBINED TO FORM PACKAGING UNITS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VERPACKEN VON ZU VERPACKUNGSEINHEITEN ZUSAMMENGEFASSTEN GRUPPEN AN GEGENSTÄNDEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR EMBALLER DES GROUPES D'OBJETS RÉUNIS EN UNITÉS D'EMBALLAGE

Publication

EP 2704949 B1 20170104 (DE)

Application

EP 11782060 A 20111108

Priority

- DE 102011100367 A 20110503
- DE 102011117165 A 20111028
- EP 2011005597 W 20111108

Abstract (en)

[origin: WO2012149947A1] The present invention relates to a method and an apparatus for packaging groups of articles (1) combined to form packaging units (2). In the first instance, the packaging unit (2) is wrapped with a sheet material (3) in its running direction (L) on a transporting path (T). During this operation, at the same time, a sheet-material overlap (4) is formed and folding flaps (5, 6, 7, 8), each projecting beyond the packaging unit (2) along the transverse peripheries, are defined. Thereafter, the folding flaps (5, 6, 7, 8) are positioned against the packaging unit (2) as they run through a folding unit (9). After this, and/or at the same time, the folding flaps (5, 6, 7, 8) are fixed to one another to form a sheet-material wrapper which is closed on all sides.

IPC 8 full level

B65B 11/12 (2006.01)

CPC (source: EP US)

B65B 11/12 (2013.01 - EP US); **B65B 11/16** (2013.01 - US)

Cited by

DE102020122326A1; DE102020123361A1; DE102020124015A1

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)

DE 102011117165 A1 20121108; BR 112013023415 A2 20161213; BR 112013023415 B1 20200218; EP 2704949 A1 20140312; EP 2704949 B1 20170104; ES 2618227 T3 20170621; JP 2014513651 A 20140605; JP 6129158 B2 20170517; PL 2704949 T3 20170731; RU 2013146793 A 20150520; RU 2547430 C1 20150410; US 10227148 B2 20190312; US 2014075890 A1 20140320; WO 2012149947 A1 20121108

DOCDB simple family (application)

DE 102011117165 A 20111108; BR 112013023415 A 20111108; EP 11782060 A 20111108; EP 2011005597 W 20111108; ES 11782060 T 20111108; JP 2014508687 A 20111108; PL 11782060 T 20111108; RU 2013146793 A 20111108; US 201114115457 A 20111108