

Title (en)

METHOD FOR FORMING A CARDBOARD CONTAINER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KARTONBEHÄLTERS

Title (fr)

PROCÉDÉ DE FORMATION D'UN CONTENANT EN CARTON

Publication

EP 3962723 A1 20220309 (EN)

Application

EP 20712896 A 20200317

Priority

- SE 1950522 A 20190430
- EP 2020057188 W 20200317

Abstract (en)

[origin: WO2020221502A1] The present invention relates to a method (S200) for forming a cardboard container (190). The method (S200) comprises: providing (S202) a web (110) of cardboard material, said web (110) having two opposing longitudinal edge portions (112, 114); helically winding (S204) the web (110); joining (S206) two adjacent longitudinal edge portions (156, 158) of the web (110) by sewing, thereby forming a cylinder (160) having a longitudinal extension; cutting (S208) a plurality of slits in the cylinder (160) by starting from a free edge portion (172, 173) of the cylinder (160), thereby forming flaps (182); and folding (S210) the flaps (182) along a direction (192) transverse to the longitudinal extension of the cylinder (160), thereby forming a cardboard container (190).

IPC 8 full level

B31B 50/00 (2017.01); **B31B 50/28** (2017.01); **B31B 50/68** (2017.01); **B31C 11/02** (2006.01); **B65B 43/00** (2006.01); **B31B 100/00** (2017.01);
B31B 110/30 (2017.01)

CPC (source: EP SE)

B31B 50/003 (2017.07 - EP); **B31B 50/68** (2017.07 - SE); **B31C 3/00** (2013.01 - SE); **B31C 3/02** (2013.01 - SE); **B31C 3/04** (2013.01 - SE);
B65B 43/00 (2013.01 - EP); **B65D 5/00** (2013.01 - SE); **B31B 50/28** (2017.07 - EP); **B31B 50/684** (2017.07 - EP); **B31B 2100/002** (2017.07 - EP);
B31B 2110/30 (2017.07 - EP); **B31C 3/00** (2013.01 - EP); **B31C 11/02** (2013.01 - EP); **B65B 59/001** (2019.04 - EP); **B65B 2210/04** (2013.01 - EP)

Citation (search report)

See references of WO 2020221502A1

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 2020221502 A1 20201105; EP 3962723 A1 20220309; EP 3962723 B1 20230719; EP 3962723 C0 20230719; SE 1950522 A1 20201031;
SE 544468 C2 20220607

DOCDB simple family (application)

EP 2020057188 W 20200317; EP 20712896 A 20200317; SE 1950522 A 20190430