

Title (en)

A PRODUCTION PROCESS FOR A FOOD TRAY AND A TRAY THUS PRODUCED

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER LEBENSMITTELSCHALE UND SO HERGESTELLTE SCHALE

Title (fr)

PROCESSUS DE PRODUCTION DE PLATEAU ALIMENTAIRE ET PLATEAU AINSI PRODUIT

Publication

EP 4255725 A2 20231011 (EN)

Application

EP 21827820 A 20211119

Priority

- IT 202000027980 A 20201123
- IT 2021050377 W 20211119

Abstract (en)

[origin: WO2022107181A2] The invention relates to the packaging sector of food products for human consumption. More specifically, the invention relates to a production process for a food tray which is particularly (but not exclusively) suitable for use in controlled atmosphere packaging, and to the tray thus obtained. Said production process for a cardboard food tray (1) comprises the phases of: - providing a sheet (2) of cardboard, where said cardboard is corrugated; - applying a thermo-adhesive substance to areas of said sheet; - die-cutting and creating creases (3) on said sheet (2); - folding said die-cut sheet (4) along said creases (3) and overlapping flaps of previously adhesivised cardboard and applying a source of heat to reactivate said thermo-adhesive substance, to form a shaped tray (1), comprising a bottom (5), side walls (6) and a perimeter edge flange (7), adapted to define a compartment (8) for containing food; - positioning said tray (1) in succession with other trays (1) already shaped to create a stack (9) of stored trays. Said process also comprises the mechanical pressing of at least said perimeter edge flange (7), so as to crush said corrugated cardboard and flatten said perimeter edge flange (7), making its surface flat even at the flaps of overlapping cardboard.

IPC 8 full level

B31B 50/44 (2017.01); **B31B 50/25** (2017.01); **B31B 50/59** (2017.01); **B31B 50/62** (2017.01); **B65D 5/24** (2006.01); **B65D 21/02** (2006.01)

CPC (source: EP)

B31B 50/44 (2017.07); **B31B 50/59** (2017.07); **B65D 5/246** (2013.01); **B65D 5/40** (2013.01); **B65D 5/4279** (2013.01); **B65D 21/0233** (2013.01); **B65D 77/2024** (2013.01); **B31B 50/142** (2017.07); **B31B 50/252** (2017.07); **B31B 50/624** (2017.07); **B31B 50/88** (2017.07); **B31B 2100/0024** (2017.07); **B31B 2120/402** (2017.07)

Citation (search report)

See references of WO 2022107181A2

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022107181 A2 20220527; **WO 2022107181 A3 20220804**; EP 4255725 A2 20231011; IT 202000027980 A1 20220523

DOCDB simple family (application)

IT 2021050377 W 20211119; EP 21827820 A 20211119; IT 202000027980 A 20201123