

Title (en)
APPARATUS AND METHOD FOR PRODUCING PACKAGES, AND PACKAGE

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON PAKETEN, UND PAKET

Title (fr)
APPAREIL ET PROCÉDÉ DE PRODUCTION D'EMBALLAGES, ET EMBALLAGE

Publication
EP 4163213 A1 20230412 (EN)

Application
EP 22198636 A 20220929

Priority
IT 202100025289 A 20211001

Abstract (en)
An apparatus for making packages (3; 103; 203; 303) comprises:- a feed device (8) for feeding a web (9) of packaging material;- a gluing system (11) for applying a longitudinal pattern of glue along a longitudinal edge (22) of the web (9) and for applying a transversal pattern of glue in an internal region of the web (9), transversally to the longitudinal pattern;- an advancement device (4) for advancing a plurality of objects (2) in a advancement direction (F);- a longitudinal folding device (25) for bringing into contact opposite longitudinal edges (22) of the web (9) so as to form a tubular wrapper (27) around the objects (2);- a longitudinal pressing device (29) for obtaining a longitudinal joint (28) between the opposite longitudinal edges (22) of the web (9) by pressing the longitudinal edges (22) in contact with each other at the longitudinal pattern of glue;- a transversal cutting and pressing device (33) for pressing the tubular wrapper (27) transversally to the advancement direction (F) so as to obtain a transversal joint (39) at the transversal pattern of glue and close a package (3; 103; 203; 303).The gluing system (11) comprises a first applying device (12) for applying on the web (9) a first type of glue and a second applying device (13) for applying on the web (9) a second type of glue, so that the longitudinal pattern of glue and the transversal pattern of glue each comprise an arrangement of glue of the first type of glue positioned alongside an arrangement of glue of the second type.

IPC 8 full level
B65B 9/067 (2012.01); **B65B 51/02** (2006.01); **B65B 51/30** (2006.01); **B65D 75/46** (2006.01)

CPC (source: EP)
B65B 9/067 (2013.01); **B65B 51/023** (2013.01); **B65B 51/303** (2013.01); **B65D 75/46** (2013.01)

Citation (applicant)
US 2007131739 A1 20070614 - PONTI GIUSEPPE [IT]

Citation (search report)
• [A] US 2007131739 A1 20070614 - PONTI GIUSEPPE [IT]
• [A] US 3570751 A 19710316 - TREWELLA ROBERT J
• [A] US 4956963 A 19900918 - JOHNSON STEPHEN N [US]

Cited by
CN116692143A

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)
EP 4163213 A1 20230412; IT 202100025289 A1 20230401

DOCDB simple family (application)
EP 22198636 A 20220929; IT 202100025289 A 20211001