

Title (en)
METHOD AND DEVICE FOR PACKING THREE-DIMENSIONAL OBJECTS

Publication
EP 0110080 B1 19861230 (DE)

Application
EP 83110219 A 19831013

Priority
DE 3243500 A 19821124

Abstract (en)
[origin: EP0110080A1] A process for packaging three-dimensional articles, for example a spherical chocolate, involves preforming packaging material, eg. aluminium foil, into an open-topped receptacle, so that the article can subsequently be introduced into this receptacle, after which the receptacle merely has to be closed in order to envelope the article completely. The apparatus for carrying out the process incorporates a forming die (52) which is moved into a forming space over which a blank of packaging material is laid. During the preforming of the blank, the blank is retained centrally, so that it can be preformed substantially symmetrically. Preforming prevents the packaging material from being damaged by the article to be packaged. The apparatus further includes packaging material supply and cutting devices (D1, D2), a device (F) for introducing articles into the formed receptacles, a device (G) for checking the presence of articles in the receptacles and ejecting empty receptacles, a closing device (h) and a device (I) for transferring the enveloped articles onto a conveyor belt of a secondary packaging line. On this secondary line the articles are deposited in respective cup- shaped receptacles to the bottoms of which a spot of glue has been applied for securing the enveloped articles therein. <IMAGE>

IPC 1-7
B65B 5/02; **B65B 5/04**

IPC 8 full level
B65B 5/02 (2006.01); **B65B 5/04** (2006.01)

CPC (source: EP)
B65B 5/04 (2013.01); **B65B 11/54** (2013.01); **B65B 25/005** (2013.01); **B65B 43/44** (2013.01); **B65B 47/04** (2013.01); **B65B 57/10** (2013.01); **B65B 2220/06** (2013.01)

Cited by
US5802806A; US11794978B2; DE102021130302A1; WO2019115766A3

Designated contracting state (EPC)
BE CH FR IT LI LU

DOCDB simple family (publication)
EP 0110080 A1 19840613; **EP 0110080 B1 19861230**; DE 3243500 A1 19840524; DE 3243500 C2 19840913; DK 154285 B 19881031; DK 154285 C 19890403; DK 522583 A 19840525; DK 522583 D0 19831115; GB 2130545 A 19840606; GB 2130545 B 19860716; GB 8328071 D0 19831123; NL 187305 C 19910816; NL 8303012 A 19840618; SE 460354 B 19891002; SE 8305374 D0 19830930; SE 8305374 L 19840525

DOCDB simple family (application)
EP 83110219 A 19831013; DE 3243500 A 19821124; DK 522583 A 19831115; GB 8328071 A 19831020; NL 8303012 A 19830829; SE 8305374 A 19830930