

Title (en)

Deep draw packaging machine and method for operating the same

Title (de)

Tiefziehverpackungsmaschine und Verfahren zum Betrieb einer solchen Tiefziehverpackungsmaschine

Title (fr)

Machine d'emballage par emboutissage et procédé de fonctionnement d'une machine d'emballage par emboutissage

Publication

EP 2447171 B1 20131002 (DE)

Application

EP 11008378 A 20111018

Priority

DE 102010049960 A 20101028

Abstract (en)

[origin: EP2447171A1] The machine (1) has a longitudinal cutting station (5), and a transverse cutting station (4) comprising a punching device for separating a strip section from a lower foil (8) and/or an upper foil (10) by using a die cutter. The punching device is aligned transverse to a transport direction (R) of the foils. The transverse cutting station has a retaining container for retaining the strip section above the lower foil and/or the upper foil. The transverse cutting station has a slider that is moved in the container for temporarily supporting a part of the strip section. An independent claim is also included for a method for operating a deep-drawing packaging machine.

IPC 8 full level

B65B 61/06 (2006.01); **B31B 50/16** (2017.01); **B31B 50/64** (2017.01); **B65B 9/04** (2006.01)

CPC (source: EP US)

B65B 61/065 (2013.01 - EP US); **B65B 9/04** (2013.01 - EP US); **B65B 47/00** (2013.01 - EP US)

Cited by

DE102019124008A1; EP3696105A1; DE102019129403A1; EP3088315A1; US10472112B2; DE102019124008B4; DE102022104218A1; EP4249381A1

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)

EP 2447171 A1 20120502; **EP 2447171 B1 20131002**; DE 102010049960 A1 20120503; ES 2431600 T3 20131127; US 2012108408 A1 20120503; US 8752357 B2 20140617

DOCDB simple family (application)

EP 11008378 A 20111018; DE 102010049960 A 20101028; ES 11008378 T 20111018; US 201113284077 A 20111028