

Title (en)

METHOD FOR PRODUCING PACKS, AND THERMOFORMING PACKAGING MACHINE

Title (de)

VERFAHREN ZUM HERSTELLEN VON VERPACKUNGEN UND TIEFZIEHVERPACKUNGSMASCHINE

Title (fr)

PROCÉDÉ DE FABRICATION D'EMBALLAGES ET EMBALLEUSE-EMBOUTISSEUSE

Publication

EP 3651980 A1 20200520 (DE)

Application

EP 17739994 A 20170714

Priority

EP 2017067911 W 20170714

Abstract (en)

[origin: WO2019011448A1] Method for producing packs, and thermoforming packaging machine In order to produce packs by thermoforming, a material web (15) is conveyed in the direction of a forming station (5) by a conveying device (17), wherein the material web (15) is retained by retaining elements (25) of the conveying device (17). A pack hollow (35) is formed in the material web (15) by thermoforming by means of a punch (33) of the forming station (5) interacting with a die (31) of the forming station (5), wherein, during the thermoforming operation, the punch (33) and the die (31) move relative to one another along a vertical direction (V) and a region of the material web (15) is thus deformed between the die (31) and the punch (33). While the region of the material web (15) is being deformed between the die (31) and the punch (33), a forming assembly (43) of the forming station (5), said assembly comprising the punch (33) and the die (31), and the retaining elements (25) of the conveying device (17) move relative to one another in a direction perpendicular to the vertical direction (V).

IPC 8 full level

B31B 50/00 (2017.01); **B31B 50/02** (2017.01); **B31B 50/04** (2017.01); **B31B 50/10** (2017.01); **B31B 50/14** (2017.01); **B65B 9/04** (2006.01); **B65B 41/14** (2006.01); **B65B 47/04** (2006.01); **B65B 47/06** (2006.01); **B65H 20/16** (2006.01)

CPC (source: EP)

B65B 9/04 (2013.01); **B65B 41/14** (2013.01); **B65B 47/04** (2013.01); **B65H 20/16** (2013.01); **B65H 2301/51432** (2013.01); **B65H 2701/1752** (2013.01); **B65H 2701/1944** (2013.01); **B65H 2801/81** (2013.01)

Citation (search report)

See references of WO 2019011448A1

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 2019011448 A1 20190117; EP 3651980 A1 20200520

DOCDB simple family (application)

EP 2017067911 W 20170714; EP 17739994 A 20170714