

Title (en)

MOULD AND METHOD FOR PRODUCING PACKAGING

Title (de)

FORMWERKZEUG UND VERFAHREN ZUM HERSTELLEN EINER VERPACKUNG

Title (fr)

OUTIL DE MOULAGE ET PROCÉDÉ DE FABRICATION D'UN EMBALLAGE

Publication

EP 3489005 B1 20201007 (DE)

Application

EP 17203560 A 20171124

Priority

EP 17203560 A 20171124

Abstract (en)

[origin: US2019160775A1] A pre-punched material sheet for constructing a packaging trough, the material sheet includes a sub-area that has been punched out incompletely so that the sub-area is connected to a residual area of the material sheet through a plurality of retaining lugs. The material sheet is positioned on top of a female die part of a forming tool and the sub-area at least partially covers an opening of a forming cavity of the female die part. The residual area of the material sheet may be clamped in position against the female die part. The sub-area of the material sheet is sucked onto an insert in the forming cavity using a vacuum. The insert is vertically movable in the forming cavity from a first position to a second position to draw the sheet into the forming cavity and thereby form the packaging trough.

IPC 8 full level

B31B 50/44 (2017.01); **B31B 100/00** (2017.01); **B31B 110/35** (2017.01)

CPC (source: EP US)

B31B 50/12 (2017.07 - US); **B31B 50/142** (2017.07 - US); **B31B 50/44** (2017.07 - EP US); **B31B 50/592** (2018.04 - US); **B31B 50/745** (2017.07 - US); **B31B 2100/0024** (2017.07 - EP US); **B31B 2110/35** (2017.07 - EP US)

Cited by

DE102021109913A1; DE102021112475A1

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 3489005 A1 20190529; **EP 3489005 B1 20201007**; CN 209290813 U 20190823; ES 2839574 T3 20210705; US 10889079 B2 20210112; US 2019160775 A1 20190530

DOCDB simple family (application)

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