

Title (en)

METHOD AND DEVICE FOR SHAPING A BLANK AROUND A MANDREL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FORMEN EINES ROHLINGS UM EINE SPINDEL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MISE EN FORME D'UN FLAN AUTOUR D'UN MANDRIN

Publication

EP 3526024 A1 20190821 (FR)

Application

EP 17792122 A 20171009

Priority

- FR 1659819 A 20161011
- FR 2017052758 W 20171009

Abstract (en)

[origin: CA3039854A1] The present invention relates to a device for shaping a blank (1) of material in sheet form around a mandrel, in order to obtain a box or part of box of polygonal cross section, comprising: a mandrel, means for wrapping around the mandrel, means for securing the tab, means for folding the flaps, and means for fixing together the flaps thus folded. The means for wrapping the panels and the means for securing the tab are supported by two cradles positioned one on each side of the mandrel, transversely and symmetrically with respect to the direction in which the blank is brought in from the glue-application workstation.

IPC 8 full level

B31B 50/28 (2017.01); **B31B 100/00** (2017.01)

CPC (source: EP KR US)

B31B 50/00 (2017.07 - US); **B31B 50/28** (2017.07 - EP KR US); **B31B 50/282** (2017.07 - US); **B31B 50/62** (2017.07 - EP KR US); **B31B 50/06** (2017.07 - KR US); **B31B 50/07** (2017.07 - US); **B31B 2100/0022** (2017.07 - EP US)

Citation (search report)

See references of WO 2018069614A1

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)

FR 3057201 A1 20180413; **FR 3057201 B1 20181102**; CA 3039854 A1 20180419; EP 3526024 A1 20190821; EP 3526024 B1 20200916; ES 2837032 T3 20210629; JP 2019529190 A 20191017; JP 6985383 B2 20211222; KR 102510979 B1 20230316; KR 20190069489 A 20190619; PH 12019501052 A1 20191202; US 11097504 B2 20210824; US 2019232596 A1 20190801; WO 2018069614 A1 20180419

DOCDB simple family (application)

FR 1659819 A 20161011; CA 3039854 A 20171009; EP 17792122 A 20171009; ES 17792122 T 20171009; FR 2017052758 W 20171009; JP 2019519209 A 20171009; KR 20197013766 A 20171009; PH 12019501052 A 20190510; US 201716340889 A 20171009