

Title (en)

UNIT FOR FORMING A PLATE ELEMENT FOR MANUFACTURING FOLDING BOXES

Title (de)

EINHEIT ZUR HERSTELLUNG EINES PLATTENELEMENTES ZUR HERSTELLUNG VON FALTSCHACHTELN

Title (fr)

UNITE DE FAÇONNAGE D'ÉLÉMENT EN PLAQUE POUR LA FABRICATION DE CAISSES PLIANTES

Publication

EP 3934903 A1 20220112 (FR)

Application

EP 20710037 A 20200306

Priority

- FR 1902391 A 20190308
- EP 2020025114 W 20200306

Abstract (en)

[origin: WO2020182347A1] The unit (2) for forming a plate element for continuous flow manufacturing of folding boxes (CA1, CA2) from plate elements (3), the plate elements (3) being successively inserted into the unit (2) and moving in a transport direction (FD), comprising pairs of rotary cylindrical shafts (2001 - 2031, 2002 - 2032), supporting forming tooling, which forms the plate elements (4) using slitting, creasing and cutting operations, comprises a cutting unit (21) and the pairs of rotary cylindrical shafts (2001 - 2031, 2002 - 2032).

IPC 8 full level

B31B 50/00 (2017.01); **B31B 50/14** (2017.01); **B31B 50/22** (2017.01)

CPC (source: EP US)

B26D 11/00 (2013.01 - EP); **B31B 50/146** (2017.08 - EP US); **B31B 50/20** (2017.08 - EP); **B31B 50/22** (2017.08 - EP US); **B31B 50/256** (2017.08 - EP US); **B31B 2120/302** (2017.08 - EP US); **B31B 2120/70** (2017.08 - US)

Cited by

WO2024141280A1

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 3093466 A1 20200911; CN 113784834 A 20211210; CN 113784834 B 20230829; EP 3934903 A1 20220112; US 2022176669 A1 20220609; WO 2020182347 A1 20200917

DOCDB simple family (application)

FR 1902391 A 20190308; CN 202080031145 A 20200306; EP 2020025114 W 20200306; EP 20710037 A 20200306; US 202017593008 A 20200306