

Title (en)

DEVICE FOR PROCESSING FLAT ELEMENTS AND TRANSPORT BELT FOR USE IN A DEVICE OF THIS TYPE

Title (de)

VORRICHTUNG ZUR BEARBEITUNG FLÄCHIGER ELEMENTE UND TRANSPORTBAND ZUM EINSATZ IN EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE TRAITEMENT D'ÉLÉMENTS PLATS ET BANDE TRANSPORTEUSE UTILISÉE DANS UN TEL DISPOSITIF

Publication

EP 3837200 A1 20210623 (DE)

Application

EP 19753033 A 20190808

Priority

- DE 102018119971 A 20180816
- EP 2019071355 W 20190808

Abstract (en)

[origin: WO2020035396A1] The invention relates to a device for processing flat elements, in particular for processing paper blanks, which has: an air-permeable transport belt (25) which is guided via at least two rollers (12a, 12b) and consists of metal and the upper section of which forms the transporting section (25a) and the lower section of which forms the returning section (25b); and a vacuum generator which is situated under the upper section. A laser for cutting the flat elements is arranged above the transporting section (25a). To achieve an improved flat position and a longer service life, the transport belt (25) consists of an expanded metal.

IPC 8 full level

B65H 5/22 (2006.01)

CPC (source: EP US)

B65H 5/224 (2013.01 - EP US); **B65H 43/00** (2013.01 - US); **B65H 2301/531** (2013.01 - US); **B65H 2401/15** (2013.01 - EP US); **B65H 2404/1151** (2013.01 - US); **B65H 2404/222** (2013.01 - US); **B65H 2404/2532** (2013.01 - US); **B65H 2404/27** (2013.01 - US); **B65H 2404/271** (2013.01 - EP US); **B65H 2404/28** (2013.01 - EP US); **B65H 2406/3662** (2013.01 - US); **B65H 2511/13** (2013.01 - US); **B65H 2801/84** (2013.01 - US)

Citation (search report)

See references of WO 2020035396A1

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 2020035396 A1 20200220; DE 102018119971 A1 20200220; DE 102018119971 B4 20220324; EP 3837200 A1 20210623; EP 3837200 B1 20240313; EP 3837200 C0 20240313; US 11584600 B2 20230221; US 2021300699 A1 20210930

DOCDB simple family (application)

EP 2019071355 W 20190808; DE 102018119971 A 20180816; EP 19753033 A 20190808; US 201917268139 A 20190808