

Title (en)

BAND UNWINDING DEVICE AND MACHINE FOR STAMPING SHEET-SHAPED ELEMENTS

Title (de)

BAND-ABROLLVORRICHTUNG UND MASCHINE ZUM STANZEN VON ELEMENTEN IN FORM VON BLÄTTERN

Title (fr)

DISPOSITIF DE DEROULAGE DE BANDE ET MACHINE D'ESTAMPAGE D'ELEMENTS EN FORME DE FEUILLES

Publication

EP 3810537 B1 20230809 (FR)

Application

EP 19769382 A 20190906

Priority

- EP 18020442 A 20180910
- EP 2019025298 W 20190906

Abstract (en)

[origin: WO2020052809A1] The invention relates to a device for unwinding strips (10) for a stamping machine (1) capable of accumulating the strip to be stamped (20 in a pre-unwound form between at least one stamping spool (3) and a platen press (310) of the stamping machine (1), characterized in that the device for unwinding strips (10) comprises: a central drum (11) configured to be rotated at a variable feed rate, rotatably secured to an axis of the strip unwinding device (10), - a satellite roller (14) having an axis arranged parallel to the axis of the central drum (11), the satellite roller (14) being capable of turning around the central drum (11), the pre-unwound strip being capable of winding around the central drum (11) under the effect of the movement of the satellite roller (14), and - a planetary drive device (15) for moving the satellite roller (14) around the central drum (11) according to the difference in speeds of rotation of the central drum (11) and of an external ring (13) of the planetary drive device (15) configured to be rotated at a constant speed in a direction of rotation that is counter to the direction of rotation of the central drum (11). The invention also relates to a stamping machine (1) configured to place on each sheet the gilded or metalized film from at least one strip to be stamped (2).

IPC 8 full level

B65H 20/24 (2006.01)

CPC (source: EP KR RU US)

B65H 16/00 (2013.01 - US); **B65H 20/24** (2013.01 - EP KR RU US); **B65H 2301/4491** (2013.01 - EP KR US); **B65H 2404/1521** (2013.01 - EP KR US)

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)

WO 2020052809 A1 20200319; BR 112021001649 A2 20210504; BR 112021001649 B1 20220726; CN 112654571 A 20210413; CN 112654571 B 20220308; EP 3810537 A1 20210428; EP 3810537 B1 20230809; ES 2955716 T3 20231205; JP 2021527609 A 20211014; JP 7119219 B2 20220816; KR 102320620 B1 20211102; KR 20210032533 A 20210324; RU 2758611 C1 20211101; TW 202017834 A 20200516; TW I719628 B 20210221; US 11180335 B2 20211123; US 2021245985 A1 20210812

DOCDB simple family (application)

EP 2019025298 W 20190906; BR 112021001649 A 20190906; CN 201980058931 A 20190906; EP 19769382 A 20190906; ES 19769382 T 20190906; JP 2021512936 A 20190906; KR 20217006562 A 20190906; RU 2021109658 A 20190906; TW 108132447 A 20190909; US 201917274344 A 20190906