

Title (en)

MECHANISM FOR FEEDING SHEETS OF CARDBOARD INTO A BOX FORMING MACHINE

Title (de)

VORRICHTUNG ZUM ZUFÜHREN VON KARTONBÖGEN IN EINE KARTONFORMMASCHINE

Title (fr)

MÉCANISME D'APPROVISIONNEMENT DE FEUILLES EN CARTON DANS UNE FORMEUSE DE BOÎTES

Publication

EP 4101630 A1 20221214 (EN)

Application

EP 21750737 A 20210126

Priority

- ES 202030195 U 20200205
- ES 2021070055 W 20210126

Abstract (en)

The invention relates to a mechanism for supplying cardboard sheets of a box-making machine that comprises a plurality of suction cups (12), wherein the mechanism comprises a pick-up arm (6) formed by a first segment (7) and a second segment (8), the second segment (8) being joined with sliding ability to a fastening element (9) that is joined to a fixed base (5) with the ability to freely rotate, wherein the first segment (7) and the second segment (8) are joined in an articulated fashion, the other end of the first segment (7) is joined to the shaft of the geared motor, and the other end of the second segment (8) is joined to a support element that incorporates the suction cups (12), such that the rotation of the geared motor implies the collection of a cardboard sheet (4) in the stacking area (1) to be placed on the conveyor line (2).

IPC 8 full level

B31B 50/02 (2017.01); **B31B 50/04** (2017.01); **B31B 50/06** (2017.01); **B31B 50/07** (2017.01); **B65B 35/18** (2006.01); **F16H 21/14** (2006.01); **F16H 21/22** (2006.01); **F16H 21/30** (2006.01)

CPC (source: EP)

B31B 50/04 (2017.08); **B31B 50/06** (2017.08); **B31B 50/07** (2017.08); **B65H 3/0808** (2013.01); **B65H 3/0883** (2013.01); **B65H 2403/53** (2013.01); **B65H 2403/531** (2013.01); **B65H 2405/52** (2013.01); **B65H 2406/341** (2013.01); **B65H 2701/1764** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4101630 A1 20221214; **EP 4101630 A4 20231004**; ES 1242845 U 20200305; ES 1242845 Y1 20210120; WO 2021156528 A1 20210812

DOCDB simple family (application)

EP 21750737 A 20210126; ES 202030195 U 20200205; ES 2021070055 W 20210126