Title (en)

DEVICE FOR FETCHING DIE-CUT CARTONBOARD BLANKS

Title (de)

VERFAHREN ZUR GEWINNUNG EINES GUSSGESCHNITTENEN KARTONROHLINGS

Title (fr)

DISPOSITIF DE PRÉLÈVEMENT DE DÉCOUPES EN CARTON

Publication

EP 2084069 A1 20090805 (FR)

Application

EP 07858417 A 20071010

Priority

- FR 2007001650 W 20071010
- FR 0608897 A 20061011

Abstract (en)

[origin: WO2008043912A1] The system consists of several modules: an upstream module M for storing cardboard blanks (3), in the form of a fifo-type magazine (2); a central module C equipped with a device for taking said blanks (3) from said magazine (2) by means of an extractor arm (9); and a downstream packing and packaging module V comprising a station (5) where the blanks (3) are erected. The extractor arm (9) is mounted on a carriage (10) which is movable so as to move the blanks (3) lengthwise and the arm is itself movable relative to said carriage by means of an actuating mechanism which enables said arm (9) to articulate about an axis (11), which axis (11) lies in a fixed horizontal plane which corresponds both to the plane of the soleplate (8) of the magazine (2) and to that of the sole plate (14) of the blank (3) erecting station (5). The distance D between the exit edge (12) of said magazine (2) and the reference point (16) of the station (5) is fixed, and it is therefore the carriage (10) which controls the movements of the blank (3) extracted from the magazine (2) in order, on the one hand, to avert the risk of interference with said magazine and, on the other hand, to position said blank correctly in the station (5) to enable it to be erected, and this for a whole range of forms of blanks (3) for which the system is designed.

IPC 8 full level

B65B 43/30 (2006.01); **B31B 5/80** (2006.01); **B65B 43/28** (2006.01)

CPC (source: EP US)

B65B 43/305 (2013.01 - EP US); B31B 50/804 (2017.07 - EP US); B31B 2100/00 (2017.07 - EP US); B31B 2120/30 (2017.07 - EP US)

Citation (search report)

See references of WO 2008043914A1

Cited by

WO2018055257A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008043912 A1 20080417; AT E455704 T1 20100215; AT E548269 T1 20120315; BR PI0719200 A2 20140429; BR PI0719521 A2 20140527; CN 101557991 A 20091014; CN 101631721 A 20100120; CN 101631721 B 20111130; DE 602007004515 D1 20100311; EP 2084069 A1 20090805; EP 2084069 B1 20100120; EP 2089280 A1 20090819; EP 2089280 B1 20120307; ES 2338940 T3 20100513; ES 2384061 T3 20120629; FR 2907100 A1 20080418; FR 2907100 B1 20101001; JP 2010505711 A 20100225; JP 2010505713 A 20100225; MX 2009003749 A 20090525; MX 2009003833 A 20090601; PL 2084069 T3 20100630; PL 2089280 T3 20120831; PT 2084069 E 20100415; US 2010043357 A1 20100225; US 2010068012 A1 20100318; US 8146972 B2 20120403; US 8181427 B2 20120522; WO 2008043914 A1 20080417

DOCDB simple family (application)

FR 2007001648 W 20071010; AT 07858415 T 20071010; AT 07858417 T 20071010; BR PI0719200 A 20071010; BR PI0719521 A 20071010; CN 200780042384 A 20071010; CN 200780045282 A 20071010; DE 602007004515 T 20071010; EP 07858415 A 20071010; EP 07858417 A 20071010; ES 07858415 T 20071010; ES 07858417 T 20071010; FR 0608897 A 20061011; FR 2007001650 W 20071010; JP 2009531871 A 20071010; JP 2009531873 A 20071010; MX 2009003749 A 20071010; MX 2009003833 A 20071010; PL 07858415 T 20071010; PL 07858417 T 20071010; PT 07858417 T 20071010; US 44496507 A 20071010; US 44524407 A 20071010