

Title (en)

Feeding system for feeding cardboard sheets to a module processing said cardboard sheets and method thereof

Title (de)

Zuführvorrichtung zum Zuführen von Kartonbögen zu einem Verarbeitungsmodul der Kartonbögen und Verfahren dafür

Title (fr)

Système d'alimentation pour feuilles de carton d'alimentation sur un module de traitement desdites feuilles de carton et procédé associé

Publication

EP 2962970 A1 20160106 (EN)

Application

EP 14175407 A 20140702

Priority

EP 14175407 A 20140702

Abstract (en)

The invention relates to a feeding system (100, 900) for feeding cardboard sheets (106) to a module that processes them, comprising: at least one storage unit (101, 901, 901') for storing cardboard sheets in a vertical position, at least one unitary feeder (102, 902) for unit-by-unit supplying the cardboard sheets to a module that processes them; a belt conveyor (103, 903) for transporting the cardboard sheets, which comprises a conveyor belt (104) defining a closed-loop path and a plurality of picking units (105) configured to pick a cardboard sheet from a storage unit and hold it vertically, the picking units being affixed to the conveyor belt at different positions along said closed-loop path, so that the picking units move integrally with the conveyor belt; and a control unit operatively connected to the belt conveyor and to the at least one unitary feeder, configured to a) selectively enable a given picking unit to pick a cardboard sheet from a storage unit and b) selectively enable a given unitary feeder to fetch a cardboard sheet being carried by a picking unit. The invention also relates to a method for feeding cardboard sheets to a module that processes them.

IPC 8 full level

B65H 3/44 (2006.01); **B65H 3/08** (2006.01); **B65H 5/08** (2006.01)

CPC (source: EP)

B65H 3/0883 (2013.01); **B65H 3/44** (2013.01); **B65H 5/085** (2013.01); **B65H 2301/321** (2013.01); **B65H 2404/231** (2013.01); **B65H 2701/176** (2013.01)

Citation (search report)

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- [A] DE 20211007 U1 20030116 - SUNDWIG KOHLER GMBH [DE]
- [A] US 2005029338 A1 20050210 - LANDWEHR MARTIN [DE]
- [A] EP 1394049 A1 20040303 - SIG TECHNOLOGY LTD [CH]

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)

EP 2962970 A1 20160106

DOCDB simple family (application)

EP 14175407 A 20140702