

Title (en)

METHOD AND DEVICE FOR CONVEYING PLANAR PRODUCTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FÖRDERN VON FLÄCHIGEN PRODUKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRANSPORT DE PRODUITS PLATS

Publication

EP 2265528 A2 20101229 (DE)

Application

EP 09704092 A 20090120

Priority

- CH 2009000022 W 20090120
- CH 982008 A 20080124

Abstract (en)

[origin: WO2009092175A2] The invention relates to a method and to a device for conveying planar products (12), particularly folded printed products. At a transfer point (A), the products (12) are inserted with the leading edges (14) thereof ahead into compartments (22) of a revolving system (20) in the form of a paddle wheel, said compartments moving along a closed revolving path (U), and removed from the compartments (22) at a transfer point (B) by means of grippers (32) of a gripper conveyor (30) and conveyed away. According to the invention, the products are seized by the grippers (32) at the trailing edges (16). The seizing of the trailing edge (16), which preferably is not the folded open product edge, has the advantage that it can be implemented without a complicated engagement of the revolving system (20) and gripper conveyor (30) and that the further conveyance and further processing of the products (12) are simplified.

IPC 8 full level

B65H 29/40 (2006.01); **B65H 29/04** (2006.01); **B65H 29/28** (2006.01)

CPC (source: EP US)

B65H 29/003 (2013.01 - EP US); **B65H 29/044** (2013.01 - EP US); **B65H 29/28** (2013.01 - EP US); **B65H 29/40** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP US); **B65H 2301/44732** (2013.01 - EP); **B65H 2301/44765** (2013.01 - EP US); **B65H 2511/51** (2013.01 - EP US); **B65H 2511/515** (2013.01 - EP US); **B65H 2511/52** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2513/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2009092175A2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009092175 A2 20090730; **WO 2009092175 A3 20101209**; AT E556968 T1 20120515; AU 2009208038 A1 20090730; AU 2009208038 B2 20130516; CA 2710749 A1 20090730; DK 2265528 T3 20120820; EP 2265528 A2 20101229; EP 2265528 B1 20120509; US 2010326795 A1 20101230; US 8297432 B2 20121030

DOCDB simple family (application)

CH 2009000022 W 20090120; AT 09704092 T 20090120; AU 2009208038 A 20090120; CA 2710749 A 20090120; DK 09704092 T 20090120; EP 09704092 A 20090120; US 86427009 A 20090120