

Title (en)

Device and method for transporting and simultaneous stabilisation of flexible, flat objects

Title (de)

Vorrichtung und Verfahren zum Fördern und gleichzeitigem Stabilisieren von flexiblen, flächigen Gegenständen

Title (fr)

Dispositif et procédé de transport et de stabilisation simultanée d'objets flexibles et plats

Publication

EP 2258642 A3 20120201 (DE)

Application

EP 10405107 A 20100526

Priority

CH 8352009 A 20090602

Abstract (en)

[origin: EP2258642A2] The device (1) has a set of conveyor elements (10), which are movable in a conveyor direction (F) by way of a conveyor member (20) drivable along a closed revolving path (U). The conveyor elements are capable of receiving and conveying an object (100) characterized by a stabilization device (30) with a stabilization member (32). The stabilization device forms a compliant stabilization line and a stabilization surface (34) that is capable of pressing the object against the conveyor element in a part of the revolving path. An independent claim is also included for a method for conveying flexible two-dimensional printed products.

IPC 8 full level

B65H 5/08 (2006.01); **B65H 5/38** (2006.01); **B65H 29/00** (2006.01); **B65H 29/04** (2006.01); **B65H 29/52** (2006.01)

CPC (source: EP US)

B65H 5/085 (2013.01 - EP US); **B65H 5/38** (2013.01 - EP US); **B65H 29/003** (2013.01 - EP US); **B65H 29/52** (2013.01 - EP US); **B65H 2301/312** (2013.01 - EP US); **B65H 2301/3123** (2013.01 - EP US); **B65H 2301/3421** (2013.01 - EP US); **B65H 2301/3422** (2013.01 - EP US); **B65H 2301/44322** (2013.01 - EP US); **B65H 2404/20** (2013.01 - EP US); **B65H 2404/561** (2013.01 - EP US); **B65H 2404/612** (2013.01 - EP US); **B65H 2404/694** (2013.01 - EP US); **B65H 2601/221** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0606549 A1 19940720 - FERAG AG [CH]
- [XA] US 5727783 A 19980317 - TASSINARI PETER ROY [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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2258642 A2 20101208; **EP 2258642 A3 20120201**; AU 2010202209 A1 20101216; CA 2705173 A1 20101202; CH 701204 A1 20101215; CH 701204 B1 20130531; US 2010300847 A1 20101202

DOCDB simple family (application)

EP 10405107 A 20100526; AU 2010202209 A 20100531; CA 2705173 A 20100525; CH 8352009 A 20090602; US 78968010 A 20100528