

Title (en)

APPARATUS FOR COLLATING FLAT OBJECTS AND FOR CONVEYING THE COLLATED OBJECTS FURTHER

Title (de)

VORRICHTUNG ZUM ZUSAMMENTRAGEN VON FLACHEN GEGENSTÄNDEN UND ZUM WEITERFÖRDERN DER ZUSAMMENGETRAGENEN GEGENSTÄNDE

Title (fr)

DISPOSITIF DE RASSEMBLEMENT D'OBJETS PLATS ET DE TRANSPORT DES OBJETS RASSEMBLES

Publication

EP 1979256 A1 20081015 (DE)

Application

EP 07700124 A 20070119

Priority

- CH 2007000026 W 20070119
- CH 1182006 A 20060125

Abstract (en)

[origin: WO2007085101A1] Various printed products (10) are fed by feeding units (7) and collated in compartments (2), wherein the compartments (2) are conveyed substantially continuously past the feed openings (6) which are arranged in a row behind one another, and in each case one printed product (10) is added through each feed opening (6). The compartments (2) have a compartment floor (3) and a transverse wall (4), wherein the compartment floor (3) is inclined in the conveying direction at least in a feeding region (5) of the circulating path (1) of the compartments (2), and the transverse wall (4) leads or trails depending on the direction of inclination. The compartments (2) are coupled to a conveying means in such a way that they can be pivoted about a substantially horizontal axis and/or a substantially vertical axis. As a result, it becomes possible to maintain the angle of inclination of the compartments and/or their spatial orientation which they have in the feeding region, in a further-conveying region (12), a removal region (15) and/or a return region (25) having inclines, downward slopes and/or a horizontal projection with directional changes.

IPC 8 full level

B65H 39/055 (2006.01)

CPC (source: EP US)

B65H 39/055 (2013.01 - EP US); **B65H 2301/4353** (2013.01 - EP US); **B65H 2301/437** (2013.01 - EP US); **B65H 2301/44712** (2013.01 - EP)

Citation (search report)

See references of WO 2007085101A1

Citation (third parties)

Third party :

- US 5765823 A 19980616 - MEIER JACQUES [CH], et al
- WO 2004013026 A1 20040212 - FERAG AG [CH], et al
- US 6764069 B2 20040720 - REIST WALTER [CH]
- US 2004046306 A1 20040311 - LEU WILLY [CH], et al
- US 4981291 A 19910101 - HONEGGER WERNER [CH], et al

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007085101 A1 20070802; AU 2007209736 A1 20070802; AU 2007209736 A2 20080925; AU 2007209736 B2 20120614; CA 2636763 A1 20070802; CA 2636763 C 20150804; EP 1979256 A1 20081015; EP 1979256 B1 20160914; ES 2607359 T3 20170330; JP 2009524533 A 20090702; JP 4824775 B2 20111130; RU 2008133763 A 20100227; RU 2401791 C2 20101020; US 2009020938 A1 20090122; US 8056892 B2 20111115

DOCDB simple family (application)

CH 2007000026 W 20070119; AU 2007209736 A 20070119; CA 2636763 A 20070119; EP 07700124 A 20070119; ES 07700124 T 20070119; JP 2008551616 A 20070119; RU 2008133763 A 20070119; US 16188507 A 20070119