

Title (en)

TRANSFER DEVICE FOR TRANSFERRING A FOLDING BOX

Title (de)

ÜBERGABEVORRICHTUNG ZUR ÜBERGABE EINER FALTSCHACHTEL

Title (fr)

DISPOSITIF DE TRANSFERT D'UNE BOITE PLIANTE

Publication

**EP 2490887 B1 20130828 (DE)**

Application

**EP 10771657 A 20101015**

Priority

- DE 102009050092 A 20091020
- EP 2010006316 W 20101015

Abstract (en)

[origin: WO2011047810A1] The invention relates to a transfer device for transferring a collapsed folding box to a transporting conveyor device while simultaneously setting up said folding box comprising a rotationally driven support part, which can be rotated about a rotational axis, and at least one further rotationally driven support part rotating about the rotational axis coaxially to the support part. In a receiving station, the folding boxes are received by the holding device and are transported on a curved path to a transfer station, and from there to the transporting conveyor device. The support parts perform a rotational movement at a rotational speed, which changes during a revolution, and a mutual relative rotation. Each support part supports a plurality of holding devices, which are distributed over the circumference, wherein the holding devices of the support parts are preferably arranged alternately consecutively in the circumferential direction.

IPC 8 full level

**B31B 5/80** (2006.01); **B65B 43/26** (2006.01); **B65B 43/30** (2006.01)

CPC (source: EP US)

**B65B 43/265** (2013.01 - 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); **B65B 43/52** (2013.01 - EP 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009050092 A1 20110421**; BR 112012009209 A2 20200414; BR 112012009209 B1 20201215; CN 102666081 A 20120912;  
EP 2490887 A1 20120829; EP 2490887 B1 20130828; MX 2012004495 A 20120907; US 2012228086 A1 20120913; US 8919533 B2 20141230;  
WO 2011047810 A1 20110428

DOCDB simple family (application)

**DE 102009050092 A 20091020**; BR 112012009209 A 20101015; CN 201080058184 A 20101015; EP 10771657 A 20101015;  
EP 2010006316 W 20101015; MX 2012004495 A 20101015; US 201013502538 A 20101015