

Title (en)

DEVICE FOR TRANSFERRING PRODUCTS BETWEEN CONVEYOR PARTS

Title (de)

VORRICHTUNG ZUM ÜBERFÜHREN VON ERZEUGNISSEN ZWISCHEN FÖRDERWEGEN

Title (fr)

DISPOSITIF POUR TRANSFERER DES PRODUITS ENTRE DES PARCOURS DE TRANSPORT

Publication

EP 1169251 B1 20030611 (DE)

Application

EP 99959170 A 19991227

Priority

- CH 9900627 W 19991227
- CH 52099 A 19990319

Abstract (en)

[origin: WO0056648A1] The device comprises two successive belt conveyors (26, 28) for transporting products (14) in a slat formation (S) along the first conveyor path (10). A release device (22) is mounted on the downstream end of the first belt conveyor (26), consisting of a deflection roller (36) for the conveyor belt (34) of the belt conveyor (26), a guide element (32) embodied as a roller (38) and a drive element (46). The upstream end (66) of a transfer conveyor (52) is coupled to the drive element (46). When the free end (64) is in return position and the guide element (32) is in idle position (30), the slat formation (S) is transported in a straight line along the first conveyor path (10). If a product (14) from the slat formation (S) is to be transferred to the second conveyor path (18), the guide element (32) is then placed in release position (30') and the end (64) is placed in the working position (66') by means of the drive element (46). As a result of the curvature thus produced in the active trunk (34'), the front edge (24) and the following edge area (24') of the product (14) to be fed to the second conveyor path (18) is raised and is introduced into the conveyor gap (54) of the second conveyor path (18).

IPC 1-7

B65H 29/60; **B65H 29/66**; **B65H 29/70**

IPC 8 full level

B65H 29/58 (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP)

B65H 29/58 (2013.01); **B65H 29/66** (2013.01); **B65H 2404/2613** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0056648 A1 20000928; AT E242747 T1 20030615; AU 1646600 A 20001009; AU 761373 B2 20030605; CA 2362688 A1 20000928; DE 59905961 D1 20030717; DK 1169251 T3 20030714; EP 1169251 A1 20020109; EP 1169251 B1 20030611

DOCDB simple family (application)

CH 9900627 W 19991227; AT 99959170 T 19991227; AU 1646600 A 19991227; CA 2362688 A 19991227; DE 59905961 T 19991227; DK 99959170 T 19991227; EP 99959170 A 19991227