

Title (en)

DEVICE FOR COMBINING MANUALLY HANDLED FLAT POSTAL ITEMS WITH A FLOW OF POSTAL ITEMS SORTED AUTOMATICALLY ACCORDING TO THEIR ORDER OF DISTRIBUTION

Title (de)

VORRICHTUNG ZUM ZUSAMMENFUEHREN MANUELL VERARBEITBARER FLACHER SENDUNGEN MIT EINEM STROM AUTOMATISCH NACH DER VERTEILREIHENFOLGE SORTIERTER SENDUNGEN

Title (fr)

DISPOSITIF POUR REUNIR DES ENVOIS PLATS TRAITES MANUELLEMENT AVEC UN FLUX D'ENVOIS TRIES AUTOMATIQUEMENT SELON L'ORDRE DE DISTRIBUTION

Publication

**EP 1663525 B1 20071107 (DE)**

Application

**EP 04764903 A 20040907**

Priority

- EP 2004009960 W 20040907
- DE 10342804 A 20030916

Abstract (en)

[origin: WO2005035146A1] According to the invention, movable containers (3) are provided above a section of a section conveyor belt (1) onto which postal items are deposited in the order of distribution. Said containers revolve in a closed transport loop (5) and have a plurality of compartments (4) for one postal item (8) each that can be opened downwardly in a controlled manner. Said compartments (4) can only be emptied when the containers (3) are in a rest position in a sorting station (6). The automatic emptying onto the sections associated with the delivery destinations is carried out in accordance with the recognized destination address of the postal items (8). Once a container (3) is emptied, it is taken to a charging station (9) where the compartments (4) are filled with postal items (8), the compartments (4) containing the postal items (8) are associated with the delivery destinations in accordance with the respective destination address and this association is transmitted to a device for opening the compartments (4) in a controlled manner.

IPC 8 full level

**B07C 3/00** (2006.01); **B07C 3/06** (2006.01)

CPC (source: EP KR)

**B07C 3/00** (2013.01 - EP KR); **B07C 3/06** (2013.01 - KR)

Cited by

DE102010022082A1; US8374720B2

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

**DE 10342804 B3 20050414**; CN 100591432 C 20100224; CN 1845800 A 20061011; DE 502004005450 D1 20071220; EP 1663525 A1 20060607; EP 1663525 B1 20071107; JP 2007504940 A 20070308; KR 20060090973 A 20060817; WO 2005035146 A1 20050421

DOCDB simple family (application)

**DE 10342804 A 20030916**; CN 200480025404 A 20040907; DE 502004005450 T 20040907; EP 04764903 A 20040907; EP 2004009960 W 20040907; JP 2006525741 A 20040907; KR 20067004461 A 20060303