

Title (en)

METHOD AND DEVICE FOR UNLOADING A POSTAL CONTAINER THAT HAS AN OPEN TOP

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ENTLADEN EINES OBEN OFFENEN SENDUNGSBEHÄLTERS

Title (fr)

PROCEDE ET DISPOSITIF DE DECHARGEMENT D'UN CONTENEUR POSTAL OUVERT EN HAUT

Publication

EP 1159088 B1 20020717 (DE)

Application

EP 00908958 A 20000201

Priority

- DE 0000268 W 20000201
- DE 19905955 A 19990212

Abstract (en)

[origin: DE19905955C1] A method of unloading a postal items container which opens at the top and has obliquely outward-extending, side walls, involves initially receiving the container into a tiltable retaining- and positioning- device, compressing the stack of postal items in the horizontally aligned postal container, inserting swivelling and traversable retainer-supports which have rotatable conveyor belts which are driven so that sections of the belts touching the postal items are motionless relative to these items. The postal container, when full, is swivelled with the retainer supports through greater than 90 deg. to support the stack of postal items on the side wall of the container, prior to swivelling the container backwards again sufficient for a base plate to be inserted between the container and the stacked postal items. The container based plate and the stack of postal items, which are clamped between the retainer supports, are then swivelled back again into a horizontal position for the postal items, and the container is then released from the retaining- and positioning device and removed. A control unit and sensors are used to carry out the various steps.

IPC 1-7

B07C 1/02

IPC 8 full level

B65B 69/00 (2006.01); **B07C 1/02** (2006.01)

CPC (source: EP US)

B07C 1/02 (2013.01 - EP US); **B65H 2301/422542** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

DE 19905955 C1 20000511; DE 50000289 D1 20020822; EP 1159088 A1 20011205; EP 1159088 B1 20020717; JP 2002536256 A 20021029; US 6634846 B1 20031021; WO 0047341 A1 20000817

DOCDB simple family (application)

DE 19905955 A 19990212; DE 0000268 W 20000201; DE 50000289 T 20000201; EP 00908958 A 20000201; JP 2000598287 A 20000201; US 91310401 A 20010809