

Title (en)

DEVICE FOR THE WITHDRAWAL OF INDIVIDUAL FLAT MAIL FROM A THINNING SECTION

Title (de)

VORRICHTUNG ZUM HERAUSZIEHEN EINZELNER FLACHER SENDUNGEN AUS EINER VEREINZELUNGSSTRECKE

Title (fr)

DISPOSITIF POUR RETIRER DES ENVOIS PLATS INDIVIDUELS D'UNE SECTION D'INDIVIDUALISATION

Publication

**EP 1771365 A1 20070411 (DE)**

Application

**EP 05738385 A 20050422**

Priority

- EP 2005004376 W 20050422
- DE 102004037420 A 20040730

Abstract (en)

[origin: WO2006012927A1] According to the invention, individually-mounted guide rollers (16) for transport belts (3), are arranged such as to rotate at the outlet of a thinning section (1), together with take-up rollers (7), driven independently of the transport belts (3) of a take-up region (6), on a common guide axis (17). On the opposite side of the transport path, at the level of the take-up rollers (7), the mail (5) is tensioned against the take-up rollers (7) by the provision of spring-loaded pressure rollers (11) which are mounted to pivot about a fixed rotational point (14), before the same in the take-off direction and laterally-offset from the transport path, in which rollers (13) are mounted to rotate driven synchronously with the take-up rollers (7) and a belt (12), forming an inlet, is run on the pivoting pressure rollers (11) on the pivot lever (10) and the driven rollers (13).

IPC 8 full level

**B65H 3/04** (2006.01); **B65H 3/52** (2006.01); **B65H 5/02** (2006.01)

CPC (source: EP US)

**B65H 3/045** (2013.01 - EP US); **B65H 3/5246** (2013.01 - EP US); **B65H 5/023** (2013.01 - EP US); **B65H 2301/321** (2013.01 - EP US); **B65H 2301/44514** (2013.01 - EP US); **B65H 2301/4474** (2013.01 - EP US); **B65H 2404/261** (2013.01 - EP US); **B65H 2404/2691** (2013.01 - EP US)

Citation (search report)

See references of WO 2006012927A1

Cited by

CN104331940A; CN101920865A

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

**DE 102004037420 B3 20051215**; CN 1993281 A 20070704; DE 502005004291 D1 20080710; EP 1771365 A1 20070411; EP 1771365 B1 20080528; JP 2008507463 A 20080313; US 2009008863 A1 20090108; US 7644915 B2 20100112; WO 2006012927 A1 20060209

DOCDB simple family (application)

**DE 102004037420 A 20040730**; CN 200580025815 A 20050422; DE 502005004291 T 20050422; EP 05738385 A 20050422; EP 2005004376 W 20050422; JP 2007522920 A 20050422; US 65853105 A 20050422