

Title (en)

DEVICE FOR CONVEYING FLAT POSTAL ARTICLES IN AN UPRIGHT POSITION

Title (de)

VORRICHTUNG ZUM TRANSPORT VON FLACHEN SENDUNGEN IN AUFRECHTER POSITION

Title (fr)

DISPOSITIF POUR TRANSPORTER DES ENVOIS PLATS EN POSITION VERTICALE

Publication

EP 1742861 A1 20070117 (DE)

Application

EP 05741764 A 20050420

Priority

- EP 2005004215 W 20050420
- DE 102004022027 A 20040503

Abstract (en)

[origin: WO2005108256A1] The distance between lateral guiding belts (2, 3) is greater at the ends of the conveying modules than the thickest postal article (6, 10) to be conveyed. The height of the first lateral conveying belt (3) is less than that of the second lateral guiding belt (2). An elastic, narrow endless pressing belt (4) is situated underneath the first lateral guiding belt (3), presses against the lower portion of the second guiding belt (2) in a resilient manner by means of pressing deflection rollers (13, 16), and is pressed away from the second guiding belt (2) by the postal articles (6, 10) according to their thickness. Guide rails (8), which have a low coefficient of friction with regard to the postal articles (6, 10), which extend diagonal to the direction of conveyance and tangential to the pressing deflection rollers (13, 16), and which absorb shocks of the postal articles (6, 10), are mounted on the holding devices of the pressing deflection rollers (13, 16).

IPC 8 full level

B65H 29/12 (2006.01); **B07C 3/08** (2006.01); **B65G 15/20** (2006.01)

CPC (source: EP US)

B65H 29/12 (2013.01 - EP US); **B65H 2301/321** (2013.01 - EP US); **B65H 2511/13** (2013.01 - EP US); **B65H 2511/224** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Citation (search report)

See references of WO 2005108256A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 2005108256 A1 20051117; CN 100478266 C 20090415; CN 1950280 A 20070418; DE 102004022027 B3 20051208; DE 502005005812 D1 20081211; EP 1742861 A1 20070117; EP 1742861 B1 20081029; JP 2007534574 A 20071129; US 2008041698 A1 20080221; US 7500554 B2 20090310

DOCDB simple family (application)

EP 2005004215 W 20050420; CN 200580014090 A 20050420; DE 102004022027 A 20040503; DE 502005005812 T 20050420; EP 05741764 A 20050420; JP 2007508833 A 20050420; US 58771706 A 20061027