

Title (en)

DEVICE FOR EFFECTING THE POSITIONALLY ACCURATE CONVEYANCE OF FLAT ARTICLES TO BE SORTED TO AN INPUT DEVICE FOR A SORTING CONVEYOR

Title (de)

VORRICHTUNG ZUM POSITIONSGENAUE ZUFÜHREN VON FLACHEN SORTIERSTÜCKEN ZU EINER EINGABEVORRICHTUNG FÜR EINEN SORTIERFÖRDERER

Title (fr)

DISPOSITIF D'ALIMENTATION PRECISE D'ELEMENTS DE TRI PLATS A UN DISPOSITIF D'ENTREE DESTINE A UN CONVOYEUR DE TRI

Publication

EP 1554059 B1 20090311 (DE)

Application

EP 03738111 A 20030703

Priority

- EP 03738111 A 20030703
- EP 0307082 W 20030703
- EP 02023579 A 20021023

Abstract (en)

[origin: WO2004037449A1] The aim of the invention is to provide a device for effecting the positionally accurate conveyance of flat articles to be sorted to an input device for a sorting conveyor, whereby this device enables, in particular, even problematic articles to be sorted, such as e.g. bulk mailings, to be conveyed in a sufficiently accurate manner for the subsequent processing thereof. To this end, the invention provides that a draw-off unit (15), which periodically separates the flat articles to be sorted (6), feeds the flat articles to be sorted (6a) in separated form to a conveyor line (26), and a conveying unit (30), with a defined advance of the input device (8), transfers the separated articles to be sorted (6a) after these articles to be sorted (6a) have arrived at a predetermined location of conveyance of the conveyor line (26). This ensures that an article to be sorted is positioned with a defined final position in the input device due to this specific advance whereby enabling a subsequent processing, particularly the vertical raising of the article to be sorted, to be effected in a reliable and automated manner. The format and the structure of the article to be sorted are of no additional importance since that, with the arrival of the article to be sorted at the predetermined location of conveyance, a specific translation of the article to be sorted ensues exactly by the extent of the preset advance.

IPC 8 full level

B07C 1/04 (2006.01)

CPC (source: EP)

B07C 1/04 (2013.01)

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 2004037449 A1 20040506; DE 50311289 D1 20090423; EP 1554059 A1 20050720; EP 1554059 B1 20090311; JP 2006502935 A 20060126; JP 4092336 B2 20080528

DOCDB simple family (application)

EP 0307082 W 20030703; DE 50311289 T 20030703; EP 03738111 A 20030703; JP 2004545750 A 20030703