

Title (en)

METHOD AND DEVICE FOR PROCESSING FLAT MAILINGS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM VERARBEITEN VON FLACHEN SENDUNGEN

Title (fr)

PROCEDE ET DISPOSITIF DE TRAITEMENT D'ENVOIS PLATS

Publication

EP 1509341 A1 20050302 (DE)

Application

EP 03735267 A 20030425

Priority

- DE 0301354 W 20030425
- DE 10223348 A 20020525

Abstract (en)

[origin: WO03099471A1] The invention relates to a method and a device for processing flat mailings, according to which two or more piles of mailings, the destination addresses of which are known and which are sorted according to the distribution order, are separated by means of a separating device (3), are directed onto a common transport path (4), and are then jointly stacked in the order in which the mailings have been transported. The separation process is timed in such a way that the joined mailings are transported on the transport path (4) in the order in which they are to be distributed based on the known destination addresses. A unit (6) detecting the destination addresses on the mailings and a sensor arrangement (7) detecting the leading and trailing edges of the mailings are disposed along the transport path (4). The mailings are then separated via a separating element (8) onto two following transport paths (9, 10) which are rejoined at the ends thereof, at least one of said transport paths (9, 10) being provided with a braking/accelerating module (11,12). The mailings that succeed each other upstream from the separating element (8) are moved towards each other if the detection unit (6) detects a reversed order in the flow of mailings such that the mailings are redirected in the correct order while a minimum distance is maintained between the mailings downstream from the junction in order for the mailings to be stacked.

IPC 1-7

B07C 3/00; **B65H 9/00**

IPC 8 full level

B07C 3/14 (2006.01); **B07C 3/00** (2006.01); **B07C 5/00** (2006.01); **B65H 3/44** (2006.01); **B65H 5/26** (2006.01); **B65H 29/60** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP US)

B07C 3/00 (2013.01 - EP US); **B65H 3/446** (2013.01 - EP US); **B65H 29/60** (2013.01 - EP US); **B65H 2301/44522** (2013.01 - EP US); **B65H 2301/4454** (2013.01 - EP US); **B65H 2301/4455** (2013.01 - EP US); **B65H 2511/40** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2513/20** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US); **Y10S 209/90** (2013.01 - EP US)

Citation (search report)

See references of WO 03099471A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 03099471 A1 20031204; DE 10223348 C1 20031211; DE 50302347 D1 20060413; EP 1509341 A1 20050302; EP 1509341 B1 20060201; JP 2005527364 A 20050915; US 2005194294 A1 20050908; US 7145094 B2 20061205

DOCDB simple family (application)

DE 0301354 W 20030425; DE 10223348 A 20020525; DE 50302347 T 20030425; EP 03735267 A 20030425; JP 2004506986 A 20030425; US 99511904 A 20041124