Title (en)

Method and system for conveying and merging two or more groups of shingled mail items

Title (de)

Verfahren und Vorrichtung zum Transportieren und Zusammenführen von zwei oder mehr Gruppen von geschuppten Poststücken

Title (fr)

Procédé et dispositif de transport et de fusion d'au moins deux groupes d'articles postaux imbriqués

Publication

EP 2572805 A1 20130327 (EN)

Application

EP 12185556 A 20120921

Priority

IT TO20110851 A 20110923

Abstract (en)

A method of conveying and merging, at a relative intersection zone (CZ i ), at least one (i-1)th group (2) of shingled mail items with an ith group (2') of shingled mail items, the method including the step of : a) conveying the (i-1)th and ith groups (2, 2'), as of a start time (t START ), along respective paths to the intersection zone (CZ i ); the method also including the steps of : b) determining, for each group (2, 2') of shingled mail items to be conveyed and merged, at least the position (P (i-1)0 , P i0 ) of its head (2H, 2H') at the start time (T START ) ; and c) controlling start-off of each group (2, 2') to the intersection zone (CZ i ) on the basis of at least the position (P (i-1)0 , P i0 ) of its head (2H, 2H') at the start time (t START ). There is also described a conveying and merging system designed to implement the above method.

IPC 8 full level

B07C 1/02 (2006.01); B65H 29/66 (2006.01)

CPC (source: EP)

B07C 1/02 (2013.01); B65H 29/6654 (2013.01); B65H 29/6681 (2013.01); B65H 2301/342 (2013.01); B65H 2404/261 (2013.01); B65H 2511/11 (2013.01); B65H 2511/20 (2013.01); B65H 2513/10 (2013.01); B65H 2513/512 (2013.01); B65H 2701/1916 (2013.01)

Citation (search report)

- [A] EP 0923997 A2 19990623 - ELSAG SPA [IT]
- [A] EP 0804975 A2 19971105 - FINMECCANICA SPA [IT]
- [A] US 5433325 A 19950718 - LEVARO MAURO [IT], et al
- [A] EP 2213603 A2 20100804 - PITNEY BOWES INC [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2572805 A1 20130327; EP 2572805 B1 20140813; IT TO20110851 A1 20130324; RU 2012140510 A 20140327

DOCDB simple family (application)

EP 12185556 A 20120921; IT TO20110851 A 20110923; RU 2012140510 A 20120921