

Title (en)

Method of handling mail pieces in an inserter system

Title (de)

Verfahren zur Verarbeitung von Post in einem Kuvertiersystem

Title (fr)

Procédé de traitement de courrier dans un système d'insertion

Publication

**EP 1655254 A2 20060510 (EN)**

Application

**EP 06000800 A 20030613**

Priority

- EP 03013331 A 20030613
- US 38894502 P 20020613
- US 20901902 A 20020731

Abstract (en)

An apparatus and method for changing the orientation, height and direction of envelopes (7) conveyed in an inserter system. The invention reorienting horizontally transported envelopes (7) to a vertical position. The envelopes then being transported around a turning arrangement (1) comprised of a length of driven belt (13) urged against a large diameter idler wheel (14). A turning guide (26) serves to aid the envelopes through the turning arrangement. A ramp module (2) comprised of nips having toroidal outer circumferences elevate the vertical envelopes (7). The envelopes (7) finally are turned 180 degrees to be sorted into sorting bins (40). The overall arrangement of the invention results in an output sub-system of an inserter system with a shortened footprint and ergonomically desirable layout. Also, features of the invention provide that envelopes avoid damage and jamming and that recently closed envelope flaps do not inadvertently open.

IPC 8 full level

**B65H 15/00** (2006.01); **B65H 29/12** (2006.01)

CPC (source: EP US)

**B65H 15/012** (2020.08 - EP US); **B65H 29/12** (2013.01 - EP US); **B65H 2301/33212** (2013.01 - EP); **B65H 2301/33222** (2013.01 - EP); **B65H 2301/342** (2013.01 - EP); **B65H 2701/1916** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1655254 A2 20060510**; **EP 1655254 A3 20060517**; **EP 1655254 B1 20080813**

DOCDB simple family (application)

**EP 06000800 A 20030613**