

Title (en)

Device for forming a pile of flat objects, particularly for postal envelopes.

Title (de)

Vorrichtung zum Stapeln von flachen Gegenständen, wie Postbriefumschläge.

Title (fr)

Dispositif pour la formation d'une pile d'objets plats, notamment d'enveloppes de courrier.

Publication

EP 0507662 A1 19921007 (FR)

Application

EP 92400877 A 19920330

Priority

FR 9104106 A 19910404

Abstract (en)

Device for forming a stack of flat objects, in particular postal envelopes, comprising a conveyor (5), a stacking head (10) and a mobile carriage (11) comprising at least one strip made of a material with a substantial friction coefficient, controlled in rotation to drive the envelopes (2), the latter turning up with one of their edges resting on a horizontal plane (3) in the direction of a vertical plane for aligning (4) forming with the horizontal plane a reference dihedron. <??>According to the invention, this device is characterised in that the strip of the stacking head is mounted on four rotating rollers arranged along the apexes of a parallelogram which can be deformed, two apexes (21, 22) being fixed and the two other (23, 24) being mobile but held at a given distance by a spacer (25), the displacement of the mobile apexes being carried out as a function of the pressure exerted by the strip on the stack being formed, measured permanently by a strain sensor acting on the control of the carriage movement, in a direction parallel to the edge of the reference dihedron. <IMAGE>

IPC 1-7

B07C 1/02; **B65H 31/06**

IPC 8 full level

B07C 1/02 (2006.01); **B65H 31/06** (2006.01)

CPC (source: EP US)

B07C 1/025 (2013.01 - EP US); **B65H 31/06** (2013.01 - EP US); **B65H 83/02** (2013.01 - EP US); **B65H 2513/40** (2013.01 - EP US); **B65H 2515/34** (2013.01 - EP US); **B65H 2553/21** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2513/40** + **B65H 2220/02** + **B65H 2220/11**
2. **B65H 2515/34** + **B65H 2220/01**

Citation (search report)

- [A] NL 7014553 A 19710225
- [A] EP 0333596 A1 19890920 - BERTIN & CIE [FR]
- [A] US 3729191 A 19730424 - KAGOSHIMA S, et al

Cited by

CN102963558A; FR2741055A1; WO9718152A1; WO2004018338A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

EP 0507662 A1 19921007; FR 2674837 A1 19921009; FR 2674837 B1 19930730; US 5224697 A 19930706

DOCDB simple family (application)

EP 92400877 A 19920330; FR 9104106 A 19910404; US 86102792 A 19920331