

Title (en)

DEVICE FOR STACKING FLAT, FLEXIBLE OBJECTS

Title (de)

VORRICHTUNG ZUM EINSTAPELN FLACHER, BIEGSAMER GEGENSTAENDE

Title (fr)

DISPOSITIF D'EMPILAGE D'OBJETS PLATS FLEXIBLES

Publication

EP 1379458 B1 20051012 (DE)

Application

EP 02761868 A 20020411

Priority

- DE 0201324 W 20020411
- DE 10118758 A 20010417

Abstract (en)

[origin: DE10118758C1] The invention relates to a device for stacking flat, flexible objects situated on a narrow edge, successively in a stacking compartment. The aim of the invention is to avoid the rear edges colliding with the front edges of the next objects, even when the objects have different lengths. To this end, a plurality of deviation elements (3, 4) are used, said elements being successively arranged in the direction of each stacking compartment, in order to deviate the rear parts of the objects (2) seen in the displacement direction; the distances between the objects (2), the length thereof and the position thereof at certain points in time are determined; and, based on said values, the deviation elements (3,4) are temporally controlled in such a way that, for both short and long objects (2), the rear parts of the objects (2) are deviated in relation to the rear edge inside a maximum distance.

IPC 1-7

B65H 31/06

IPC 8 full level

B65H 29/60 (2006.01); **B65H 31/06** (2006.01); **B65H 31/24** (2006.01); **B65H 31/36** (2006.01)

CPC (source: EP US)

B65H 31/06 (2013.01 - EP US); **B65H 2301/4214** (2013.01 - EP US); **B65H 2511/11** (2013.01 - EP US); **B65H 2511/22** (2013.01 - EP US); **B65H 2511/514** (2013.01 - EP US); **B65H 2601/2525** (2013.01 - EP US); **B65H 2701/1311** (2013.01 - EP US); **B65H 2701/1313** (2013.01 - EP US); **B65H 2701/1916** (2013.01 - EP US)

Cited by

EP2794130B1; EP2794130B2

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

DE 10118758 C1 20020523; DE 50204533 D1 20051117; EP 1379458 A2 20040114; EP 1379458 B1 20051012; JP 2004518597 A 20040624; US 2004084836 A1 20040506; US 6776407 B2 20040817; WO 02083534 A2 20021024; WO 02083534 A3 20030109

DOCDB simple family (application)

DE 10118758 A 20010417; DE 0201324 W 20020411; DE 50204533 T 20020411; EP 02761868 A 20020411; JP 2002581301 A 20020411; US 34721103 A 20030121