

Title (en)

Pile receiving for flat objects such as flattened folding boxes.

Title (de)

Magazin für flache Gegenstände, wie flachliegende Faltschachteln.

Title (fr)

Compartiment pour piles d'objets plats comme des flans de boîtes pliantes.

Publication

EP 0440941 B1 19940601 (DE)

Application

EP 90124337 A 19901215

Priority

DE 4003153 A 19900203

Abstract (en)

[origin: US5116303A] A magazine for flat articles, in particular folding boxes lying flat, including a horizontal conveyor apparatus for receiving a supply stack of folded boxes and a vertical receiving chute from which the folding boxes can be withdrawn in succession and delivered to a conveyor in an open condition. In order to keep the pressure on the lowermost folding boxes in the receiving chute constant, the receiving chute is refilled with folding boxes as needed from the conveyor apparatus, so that the stack height in the receiving chute remains constant. The transfer of folding boxes from the supply stack on the conveyor apparatus into the receiving chute is effected via a gap, through which the horizontally delivered holding boxes, resting obliquely, are purposefully tipped via rollers or via a support podium into the receiving chute at the transition from the conveyor apparatus.

IPC 1-7

B65H 1/30

IPC 8 full level

B65H 1/30 (2006.01); **B65H 29/18** (2006.01); **B65H 29/36** (2006.01); **B65H 29/52** (2006.01); **B65H 29/66** (2006.01); **B65H 31/18** (2006.01); **B65H 83/02** (2006.01)

CPC (source: EP US)

B65H 1/30 (2013.01 - EP US); **B65H 29/18** (2013.01 - EP US); **B65H 2301/321** (2013.01 - EP US); **B65H 2301/33214** (2013.01 - EP US)

Cited by

DE29715151U1; EP3333102A1; US10800629B2

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0440941 A2 19910814; **EP 0440941 A3 19910925**; **EP 0440941 B1 19940601**; DE 4003153 A1 19910808; DE 59005941 D1 19940707; JP H04358662 A 19921211; US 5116303 A 19920526

DOCDB simple family (application)

EP 90124337 A 19901215; DE 4003153 A 19900203; DE 59005941 T 19901215; JP 844891 A 19910128; US 62257990 A 19901205