

Title (en)

LOADING DEVICE FOR FEEDING BOOKS OR BLOCKS TO A CONVEYOR BELT AT REGULAR TIME INTERVALS

Publication

**EP 0121832 A3 19861008 (DE)**

Application

**EP 84103074 A 19840321**

Priority

FI 831111 A 19830331

Abstract (en)

[origin: US4583632A] A first conveyor belt (4) leads to a further processing apparatus of books or book blanks, such as a packing machine or a three-way trimmer and cover binding line. A second intermittently operated conveyor belt (2) runs perpendicularly to the first conveyor belt (4). The second conveyor belt (2) is mounted below the plane of the first conveyor belt (4) by at least the width of the books. Provided at the terminal end of the second conveyor belt (2) is a vertically displaceable hoist (10) which engages below the bound side edge of a book or book blank. At the top of the climb path of the hoist (10) is a feed gap formed between a rotatable feed roll (12) and a guide (11), wherein a book forced by the guide (11) falls down on top of the feed roll (12). The rotating feed roll (12) forwards a book onto the first conveyor belt (4). An air cushion is preferably provided between the book and the top surface of the first conveyor belt (4).

IPC 1-7

**B42C 19/08**

IPC 8 full level

**B42C 19/08** (2006.01)

CPC (source: EP US)

**B42C 19/08** (2013.01 - EP US)

Citation (search report)

- [A] US 2956295 A 19601018 - KLEINEBERG PAUL E, et al
- [A] DE 2708855 A1 19770908 - PETRATTO GIORGIO

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0121832 A2 19841017; EP 0121832 A3 19861008**; FI 65737 B 19840330; FI 65737 C 19840710; FI 831111 A0 19830331; US 4583632 A 19860422

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